Name	OJ990713_01.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	553	End	1163
GI	none	Score	206
Exons	553..735, 801..1163		

Seq. No.	39187	Seq. ID	OJ990713_01.0317.C7
Gene No.	80807	Strand	-
Start	666	End	1520
Name	OJ990713_01.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	574	End	1061
GI	none	Score	114
Exons	574..723, 575..706, 598..723, 729..1061, 733..1056		

Seq. No.	39187	Seq. ID	OJ990713_01.0317.C7
Gene No.	80807	Strand	-
Start	666	End	1520
Name	OJ990713_01.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	586	End	1172
GI	none	Score	213
Exons	586..735, 798..1172		

Seq. No.	39187	Seq. ID	OJ990713_01.0317.C7
Gene No.	80807	Strand	-
Start	666	End	1520
Name	OJ990713_01.0317.C7.o1.gs	Method	GENSCAN
Start	666	End	1220
GI	none	Score	.63
Exons	666..799, 1106..1220		

Seq. No.	39187	Seq. ID	OJ990713_01.0317.C7
Gene No.	80807	Strand	-
Start	666	End	1520
Name	OJ990713_01.0317.C7.o2.tw	Method	TBLASTX:Wheat
Start	1134	End	1520
GI	none	Score	288
Exons	1134..1520, 1135..1515, 1164..1517		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80808	Strand	+
Start	1716	End	4572
Name	OJ990713_01.0317.C8.o2.gs	Method	GENSCAN
Start	1716	End	4572
GI	none	Score	.88
Exons	1716..1835, 2149..2272, 3981..4050, 4413..4572		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80809	Strand	+
Start	9432	End	10913
Name	OJ990713_01.0317.C8.o4.gs	Method	GENSCAN
Start	9432	End	10913
GI	none	Score	.76
Exons	9432..10913		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80810	Strand	+
Start	16861	End	19694
Name	OJ990713_01.0317.C8.o2.gp	Method	AAT/GAP

```
Start         16816                          End      17282
GI            1631780                        Score    616
Exons         16816..17078, 17196..17282
GI Descrip.   1086900 5.0e-15 (U41278) contains similarity to G beta repeats
              (PROSITE:PS00670) of the beta-transducin family [Caenorhabditis
              elegans]

Seq. No.      39188                          Seq. ID  OJ990713_01.0317.C8
Gene No.      80810                          Strand   +
Start         16861                          End      19694
Name          OJ990713_01.0317.C8.o6.gs      Method   GENSCAN
Start         16861                          End      19252
GI            none                           Score    .93
Exons         16861..17078, 17196..17298, 17845..17952, 18069..18178,
              18357..18464, 19231..19252

Seq. No.      39188                          Seq. ID  OJ990713_01.0317.C8
Gene No.      80810                          Strand   +
Start         16861                          End      19694
Name          OJ990713_01.0317.C8.o3.np      Method   AAT/NAP
Start         16876                          End      19694
GI            7500412                        Score    345
Exons         16876..17122, 17843..17958, 18075..18178, 18357..18464,
              19643..19694
GI Descrip.   hypothetical protein F33G12.2 - Caenorhabditis elegans
              gi|1086900|gb|AAA82480.1| (U41278) contains similarity to G beta
              repeats (PROSITE:PS00670) of the beta-transducin family
              [Caenorhabditis elegans]

Seq. No.      39188                          Seq. ID  OJ990713_01.0317.C8
Gene No.      80810                          Strand   +
Start         16861                          End      19694
Name          OJ990713_01.0317.C8.o3.gp      Method   AAT/GAP
Start         18069                          End      19694
GI            LIB3433-051-P1-K1-H11          Score    452
Exons         18069..18174, 18357..18464, 19643..19694
GI Descrip.   '2982268 4.0e-24 (AF051217) probable 40S ribosomal protein S15
              [Picea mariana]'

Seq. No.      39188                          Seq. ID  OJ990713_01.0317.C8
Gene No.      80811                          Strand   -
Start         206                            End      1069
Name          OJ990713_01.0317.C8.o1.gp      Method   AAT/GAP
Start         206                            End      1069
GI            14109_1.R1084                  Score    1141
Exons         206..608, 827..1069
GI Descrip.   '1086900 5.0e-15 (U41278) contains similarity to G beta repeats
              (PROSITE:PS00670) of the beta-transducin family [Caenorhabditis
              elegans]'

Seq. No.      39188                          Seq. ID  OJ990713_01.0317.C8
Gene No.      80811                          Strand   -
Start         206                            End      1069
Name          OJ990713_01.0317.C8.o1.gs      Method   GENSCAN
Start         450                            End      985
GI            none                           Score    1
Exons         450..608, 827..985
```

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80812	Strand	-
Start	4174	End	7009
Name	OJ990713_01.0317.C8.o1.np	Method	AAT/NAP
Start	4174	End	6943
GI	5080764	Score	1189
Exons	4174..4566, 5061..5254, 5340..5734, 6654..6943		
GI Descrip.	(AC007203) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80812	Strand	-
Start	4174	End	7009
Name	OJ990713_01.0317.C8.o3.gs	Method	GENSCAN
Start	4962	End	7009
GI	none	Score	.63
Exons	4962..5033, 5061..5254, 5340..5734, 6654..7009		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.tm	Method	TBLASTX:Maize
Start	4168	End	4566
GI	none	Score	341
Exons	4168..4566, 4169..4564, 4231..4566		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	4441	End	5760
GI	none	Score	144
Exons	4441..4566, 4442..4567, 4455..4568, 4455..4568, 5020..5217, 5028..5231, 5050..5223, 5051..5236, 5341..5739, 5348..5731, 5350..5760		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	5070	End	5686
GI	none	Score	96
Exons	5070..5141, 5071..5136, 5132..5245, 5134..5256, 5136..5255, 5340..5666, 5341..5685, 5342..5686		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o4.tc	Method	TBLASTX:Cress
Start	5576	End	5749
GI	none	Score	124
Exons	5576..5749, 5578..5748		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o5.tm	Method	TBLASTX:Maize

Start	13579	End	13761
GI	none	Score	247
Exons	13579..13761, 13588..13734, 13599..13760		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o5.gs	Method	GENSCAN
Start	13593	End	16731
GI	none	Score	.53
Exons	13593..16693, 16716..16731		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.np	Method	AAT/NAP
Start	13602	End	16619
GI	7493091	Score	1129
Exons	13602..14286, 14397..16017, 16051..16619		
GI Descrip.	probable translocation elongation factor-Tu fa mily - fission yeast (Schizosaccharomyces pombe) gi|3169065|emb|CAA19260.1| (AL023704) elongation factor 2-like protein [Schizosaccharomyces pombe]		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.ts	Method	TBLASTX:Soybean
Start	13641	End	14078
GI	none	Score	354
Exons	13641..14078, 13642..14076		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o3.tw	Method	TBLASTX:Wheat
Start	13764	End	14084
GI	none	Score	54
Exons	13764..14027, 13785..14084		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o3.tc	Method	TBLASTX:Cress
Start	13765	End	15104
GI	none	Score	95
Exons	13765..14031, 13767..14108, 14127..14243, 14877..15104, 14890..15096		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o3.tm	Method	TBLASTX:Maize
Start	13860	End	14114
GI	none	Score	263
Exons	13860..14114, 13861..14085		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o4.tm	Method	TBLASTX:Maize
Start	14877	End	16559
GI	none	Score	70
Exons	14877..15095, 14883..15011, 14884..15084, 15810..15965, 16059..16403, 16488..16559		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.tw	Method	TBLASTX:Wheat
Start	14877	End	15095
GI	none	Score	99
Exons	14877..15095, 14883..15083, 14884..15084		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o3.ts	Method	TBLASTX:Soybean
Start	15015	End	15399
GI	none	Score	160
Exons	15015..15257, 15016..15222, 15276..15398, 15277..15399		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.tc	Method	TBLASTX:Cress
Start	15795	End	16559
GI	none	Score	80
Exons	15795..15965, 16080..16403, 16488..16559		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	16158	End	16559
GI	none	Score	80
Exons	16158..16403, 16488..16559		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o4.ts	Method	TBLASTX:Soybean
Start	16194	End	16562
GI	none	Score	113
Exons	16194..16313, 16194..16358, 16210..16332, 16368..16475, 16380..16439, 16387..16476, 16488..16559, 16489..16557, 16500..16562		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80814	Strand	
Start	16884	End	18465
Name	OJ990713_01.0317.C8.o1.tc	Method	TBLASTX:Cress
Start	16884	End	17945
GI	none	Score	246

Exons	16884..17066, 16906..17079, 16915..17007, 16918..17070, 17196..17285, 17197..17301, 17845..17937, 17847..17945		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80814	Strand	
Start	16884	End	18465
Name	OJ990713_01.0317.C8.o6.tm	Method	TBLASTX:Maize
Start	16884	End	17022
GI	none	Score	205
Exons	16884..17021, 16909..17022		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80814	Strand	
Start	16884	End	18465
Name	OJ990713_01.0317.C8.o5.ts	Method	TBLASTX:Soybean
Start	16887	End	18465
GI	none	Score	229
Exons	16887..17069, 16906..17070, 16915..17007, 16918..17070, 17194..17301, 17196..17300, 17845..17955, 17853..17951, 18063..18179, 18067..18186, 18068..18178, 18354..18464, 18355..18465		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80815	Strand	+
Start	344	End	447
Name	OJ990713_01.0317.C9.o1.gs	Method	GENSCAN
Start	344	End	447
GI	none	Score	.64
Exons	344..447		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80816	Strand	+
Start	4014	End	4835
Name	OJ990713_01.0317.C9.o4.np	Method	AAT/NAP
Start	4014	End	4835
GI	4680186	Score	107
Exons	4014..4127, 4726..4835		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80817	Strand	-
Start	1231	End	7291
Name	OJ990713_01.0317.C9.o2.gs	Method	GENSCAN
Start	1231	End	3877
GI	none	Score	.5
Exons	1231..1380, 2474..2647, 2777..3073, 3833..3877		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80817	Strand	-
Start	1231	End	7291
Name	OJ990713_01.0317.C9.o3.np	Method	AAT/NAP
Start	1231	End	6274
GI	7248394	Score	276
Exons	1231..1601, 1985..2317, 6242..6274		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence;		

putative pol polyprotein with a reverse transcriptase domain (AC006446)

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80817	Strand	-
Start	1231	End	7291
Name	OJ990713_01.0317.C9.o5.np	Method	AAT/NAP
Start	4419	End	5519
GI	6907087	Score	457
Exons	4419..4520, 5071..5519		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80817	Strand	-
Start	1231	End	7291
Name	OJ990713_01.0317.C9.o4.gs	Method	GENSCAN
Start	5853	End	7291
GI	none	Score	.76
Exons	5853..7291		

Seq. No.	39190	Seq. ID	OJ990713_01.0317.C10
Gene No.	80818	Strand	+
Start	112	End	705
Name	OJ990713_01.0317.C10.o1.gs	Method	GENSCAN
Start	112	End	705
GI	none	Score	.68
Exons	112..230, 566..705		

Seq. No.	39190	Seq. ID	OJ990713_01.0317.C10
Gene No.	80819	Strand	-
Start	2101	End	4608
Name	OJ990713_01.0317.C10.o2.gs	Method	GENSCAN
Start	2101	End	4608
GI	none	Score	.58
Exons	2101..4608		

Seq. No.	39190	Seq. ID	OJ990713_01.0317.C10
Gene No.	80820	Strand	-
Start	5840	End	6066
Name	OJ990713_01.0317.C10.o3.gs	Method	GENSCAN
Start	5840	End	6066
GI	none	Score	.96
Exons	5840..6066		

Seq. No.	39191	Seq. ID	OJ990713_01.0317.C11
Gene No.	80821	Strand	-
Start	2066	End	3107
Name	OJ990713_01.0317.C11.o1.gs	Method	GENSCAN
Start	2066	End	3107
GI	none	Score	.71
Exons	2066..2316, 2573..2725, 2819..2968, 2978..3107		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874

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Name          OJ990713_01.0317.C13.o1.np   Method   AAT/NAP
Start         1                            End      874
GI            4680179                      Score    1219
Exons         1..874
GI Descrip.   (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.      39192                        Seq. ID  OJ990713_01.0317.C13
Gene No.      80822                        Strand   -
Start         1                            End      874
Name          OJ990713_01.0317.C13.o2.tw   Method   TBLASTX:Wheat
Start         2                            End      245
GI            none                         Score    66
Exons         2..178, 11..226, 12..245, 19..201

Seq. No.      39192                        Seq. ID  OJ990713_01.0317.C13
Gene No.      80822                        Strand   -
Start         1                            End      874
Name          OJ990713_01.0317.C13.o1.ts   Method   TBLASTX:Soybean
Start         4                            End      353
GI            none                         Score    110
Exons         4..201, 15..317, 45..317, 241..336, 321..353, 321..353

Seq. No.      39192                        Seq. ID  OJ990713_01.0317.C13
Gene No.      80822                        Strand   -
Start         1                            End      874
Name          OJ990713_01.0317.C13.o2.tm   Method   TBLASTX:Maize
Start         12                           End      224
GI            none                         Score    64
Exons         12..224, 22..156

Seq. No.      39192                        Seq. ID  OJ990713_01.0317.C13
Gene No.      80822                        Strand   -
Start         1                            End      874
Name          OJ990713_01.0317.C13.o1.gs   Method   GENSCAN
Start         108                          End      728
GI            none                         Score    .7
Exons         108..728

Seq. No.      39192                        Seq. ID  OJ990713_01.0317.C13
Gene No.      80822                        Strand   -
Start         1                            End      874
Name          OJ990713_01.0317.C13.o1.tm   Method   TBLASTX:Maize
Start         240                          End      707
GI            none                         Score    130
Exons         240..707, 277..636

Seq. No.      39192                        Seq. ID  OJ990713_01.0317.C13
Gene No.      80822                        Strand   -
Start         1                            End      874
Name          OJ990713_01.0317.C13.o1.tc   Method   TBLASTX:Cress
Start         258                          End      648
GI            none                         Score    38
Exons         258..647, 372..401, 475..648

Seq. No.      39192                        Seq. ID  OJ990713_01.0317.C13
Gene No.      80822                        Strand   -
Start         1                            End      874
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Name	OJ990713_01.0317.C13.o1.tw	Method	TBLASTX:Wheat
Start	294	End	777
GI	none	Score	178
Exons	294..776, 303..749, 322..777		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874
Name	OJ990713_01.0317.C13.o3.tm	Method	TBLASTX:Maize
Start	708	End	866
GI	none	Score	152
Exons	708..866, 709..855		

Seq. No.	39193	Seq. ID	OJ990913_08.0303.C1
Gene No.	80823	Strand	+
Start	288	End	475
Name	OJ990913_08.0303.C1.o1.gp	Method	AAT/GAP
Start	288	End	475
GI	2310235	Score	237
Exons	288..475		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39194	Seq. ID	OJ990913_08.0303.C4
Gene No.	80824	Strand	
Start	1	End	456
Name	OJ990913_08.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	1	End	429
GI	none	Score	138
Exons	1..207, 8..226, 230..295, 298..429		

Seq. No.	39194	Seq. ID	OJ990913_08.0303.C4
Gene No.	80824	Strand	
Start	1	End	456
Name	OJ990913_08.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	34	End	456
GI	none	Score	158
Exons	34..282, 34..282, 35..295, 292..456, 301..450		

Seq. No.	39194	Seq. ID	OJ990913_08.0303.C4
Gene No.	80824	Strand	
Start	1	End	456
Name	OJ990913_08.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	56	End	330
GI	none	Score	207
Exons	56..295, 58..195, 59..292, 298..330		

Seq. No.	39195	Seq. ID	OJ990913_08.0303.C15
Gene No.	80825	Strand	+
Start	383	End	1732
Name	OJ990913_08.0303.C15.o1.gp	Method	AAT/GAP
Start	383	End	827
GI	LIB3431-028-P1-N1-A10	Score	770
Exons	383..453, 481..827		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	39195	Seq. ID	OJ990913_08.0303.C15
Gene No.	80825	Strand	+
Start	383	End	1732
Name	OJ990913_08.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	530	End	1732
GI	none	Score	131
Exons	530..613, 602..682, 695..835, 696..836, 783..878, 815..874, 879..926, 886..927, 920..1732, 936..1730		

Seq. No.	39195	Seq. ID	OJ990913_08.0303.C15
Gene No.	80825	Strand	+
Start	383	End	1732
Name	OJ990913_08.0303.C15.o1.tc	Method	TBLASTX:Cress
Start	1101	End	1554
GI	none	Score	310
Exons	1101..1550, 1103..1546, 1390..1554		

Seq. No.	39195	Seq. ID	OJ990913_08.0303.C15
Gene No.	80825	Strand	+
Start	383	End	1732
Name	OJ990913_08.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	1481	End	1720
GI	none	Score	61
Exons	1481..1705, 1481..1720, 1509..1709		

Seq. No.	39196	Seq. ID	OJ990913_08.0303.C30
Gene No.	80826	Strand	+
Start	386	End	894
Name	OJ990913_08.0303.C30.o1.gp	Method	AAT/GAP
Start	386	End	894
GI	38782_1.R1084	Score	796
Exons	386..894		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39197	Seq. ID	OJ990913_08.0303.C31
Gene No.	80827	Strand	-
Start	291	End	561
Name	OJ990913_08.0303.C31.o1.gp	Method	AAT/GAP
Start	291	End	561
GI	2310235	Score	397
Exons	291..561		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39197	Seq. ID	OJ990913_08.0303.C31
Gene No.	80828	Strand	
Start	736	End	1141
Name	OJ990913_08.0303.C31.o1.tw	Method	TBLASTX:Wheat
Start	736	End	1141
GI	none	Score	64
Exons	736..1008, 738..878, 740..976, 971..1141		

Seq. No.	39198	Seq. ID	OJ990913_08.0303.C45
Gene No.	80829	Strand	
Start	864	End	1139
Name	OJ990913_08.0303.C45.o1.tm	Method	TBLASTX:Maize

Start	864	End	1139
GI	none	Score	96
Exons	864..1139, 945..1136		

Seq. No.	39199	Seq. ID	OJ990913_08.0303.C47
Gene No.	80830	Strand	+
Start	1	End	101
Name	OJ990913_08.0303.C47.o1.gp	Method	AAT/GAP
Start	1	End	101
GI	35479_1.R1084	Score	198
Exons	1..101		
GI Descrip.	'2982431/emb|CAA18239.1| 2.0e-31 (AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]'		

Seq. No.	39200	Seq. ID	OJ990913_08.0303.C52
Gene No.	80831	Strand	-
Start	6	End	431
Name	OJ990913_08.0303.C52.o1.gp	Method	AAT/GAP
Start	6	End	431
GI	4878407	Score	667
Exons	6..431		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	39201	Seq. ID	OJ990913_08.0303.C55
Gene No.	80832	Strand	-
Start	798	End	1194
Name	OJ990913_08.0303.C55.o1.gp	Method	AAT/GAP
Start	798	End	1194
GI	LIB3434-005-P1-K1-H8	Score	544
Exons	798..1194		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39201	Seq. ID	OJ990913_08.0303.C55
Gene No.	80833	Strand	
Start	2038	End	2523
Name	OJ990913_08.0303.C55.o1.tw	Method	TBLASTX:Wheat
Start	2038	End	2523
GI	none	Score	86
Exons	2038..2313, 2353..2523		

Seq. No.	39202	Seq. ID	OJ990913_08.0303.C68
Gene No.	80834	Strand	+
Start	305	End	398
Name	OJ990913_08.0303.C68.o1.gp	Method	AAT/GAP
Start	305	End	398
GI	21474_1.R1084	Score	136
Exons	305..398		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80835	Strand	
Start	290	End	627
Name	OJ990913_06.0310.C2.o3.tw	Method	TBLASTX:Wheat
Start	290	End	616

GI	none	Score	191
Exons	290..544, 309..509, 544..585, 545..586, 581..616		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80835	Strand	
Start	290	End	627
Name	OJ990913_06.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	308	End	627
GI	none	Score	143
Exons	308..529, 311..529, 312..530, 315..530, 545..616, 547..627		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80836	Strand	
Start	544	End	872
Name	OJ990913_06.0310.C2.o2.ts	Method	TBLASTX:Soybean
Start	544	End	802
GI	none	Score	50
Exons	544..612, 544..645, 630..722, 637..723, 722..802		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80836	Strand	
Start	544	End	872
Name	OJ990913_06.0310.C2.o5.tm	Method	TBLASTX:Maize
Start	627	End	799
GI	none	Score	101
Exons	627..719, 628..720, 722..799, 726..797		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80836	Strand	
Start	544	End	872
Name	OJ990913_06.0310.C2.o5.tw	Method	TBLASTX:Wheat
Start	627	End	872
GI	none	Score	126
Exons	627..722, 628..723, 633..725, 656..724, 722..823, 722..835, 726..830, 828..872		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80837	Strand	
Start	1075	End	1584
Name	OJ990913_06.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	1075	End	1584
GI	none	Score	241
Exons	1075..1584, 1174..1506, 1220..1552		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80837	Strand	
Start	1075	End	1584
Name	OJ990913_06.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	1159	End	1512
GI	none	Score	235
Exons	1159..1512, 1196..1510		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80837	Strand	
Start	1075	End	1584
Name	OJ990913_06.0310.C2.o3.ts	Method	TBLASTX:Soybean
Start	1333	End	1578

GI	none	Score	186
Exons	1333..1578		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80838	Strand	
Start	1513	End	1994
Name	OJ990913_06.0310.C2.o4.tm	Method	TBLASTX:Maize
Start	1513	End	1832
GI	none	Score	221
Exons	1513..1593, 1599..1832		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80838	Strand	
Start	1513	End	1994
Name	OJ990913_06.0310.C2.o4.tw	Method	TBLASTX:Wheat
Start	1597	End	1854
GI	none	Score	179
Exons	1597..1854, 1599..1844		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80838	Strand	
Start	1513	End	1994
Name	OJ990913_06.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	1599	End	1994
GI	none	Score	43
Exons	1599..1844, 1600..1650, 1711..1854, 1905..1958, 1962..1994		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80839	Strand	
Start	1911	End	2417
Name	OJ990913_06.0310.C2.o3.tm	Method	TBLASTX:Maize
Start	1911	End	2348
GI	none	Score	335
Exons	1911..2348		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80839	Strand	
Start	1911	End	2417
Name	OJ990913_06.0310.C2.o2.tw	Method	TBLASTX:Wheat
Start	1935	End	2417
GI	none	Score	231
Exons	1935..2417, 1978..2313		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80839	Strand	
Start	1911	End	2417
Name	OJ990913_06.0310.C2.o4.ts	Method	TBLASTX:Soybean
Start	2067	End	2381
GI	none	Score	65
Exons	2067..2381, 2071..2265		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80840	Strand	
Start	2580	End	2996
Name	OJ990913_06.0310.C2.o6.tw	Method	TBLASTX:Wheat
Start	2580	End	2996
GI	none	Score	94

Exons	2580..2765, 2581..2736, 2787..2996, 2848..2946

Seq. No.	39204	Seq. ID	OJ990913_06.0310.C5
Gene No.	80841	Strand	-
Start	435	End	591
Name	OJ990913_06.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	418	End	591
GI	none	Score	49
Exons	418..474, 426..473, 473..580, 474..581, 477..584, 478..582, 484..591		

Seq. No.	39204	Seq. ID	OJ990913_06.0310.C5
Gene No.	80841	Strand	-
Start	435	End	591
Name	OJ990913_06.0310.C5.o1.gp	Method	AAT/GAP
Start	435	End	582
GI	2442882	Score	254
Exons	435..582		

Seq. No.	39205	Seq. ID	OJ990913_06.0310.C7
Gene No.	80842	Strand	-
Start	3114	End	3309
Name	OJ990913_06.0310.C7.o1.gp	Method	AAT/GAP
Start	3114	End	3309
GI	none	Score	339
Exons	3114..3309		

Seq. No.	39206	Seq. ID	OJ990913_06.0310.C8
Gene No.	80843	Strand	+
Start	6407	End	6473
Name	OJ990913_06.0310.C8.o1.gp	Method	AAT/GAP
Start	6407	End	6473
GI	uC-osroM202024h08a1	Score	85
Exons	6407..6473		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39207	Seq. ID	OJ990913_06.0310.C12
Gene No.	80844	Strand	+
Start	1	End	323
Name	OJ990913_06.0310.C12.o1.gp	Method	AAT/GAP
Start	1	End	323
GI	LIB3432-026-P1-K1-D8	Score	630
Exons	1..323		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39208	Seq. ID	OJ990913_06.0310.C13
Gene No.	80845	Strand	+
Start	5610	End	7500
Name	OJ990913_06.0310.C13.o2.tm	Method	TBLASTX:Maize
Start	74	End	414
GI	none	Score	89
Exons	74..163, 299..412, 301..414		

Seq. No.	39208	Seq. ID	OJ990913_06.0310.C13
Gene No.	80845	Strand	+

Start	5610	End	7500
Name	OJ990913_06.0310.C13.o1.tm	Method	TBLASTX:Maize
Start	5299	End	7500
GI	none	Score	272
Exons	5299..5511, 5300..5512, 5612..5731, 5614..5733, 5614..5730, 7199..7270, 7203..7313, 7204..7299, 7208..7312, 7363..7488, 7365..7490, 7369..7500		

Seq. No.	39208	Seq. ID	OJ990913_06.0310.C13
Gene No.	80845	Strand	+
Start	5610	End	7500
Name	OJ990913_06.0310.C13.o1.gp	Method	AAT/GAP
Start	5610	End	7487
GI	8873_1.R1084	Score	520
Exons	5610..5736, 7204..7274, 7368..7487		
GI Descrip.	'3319357 1.0e-133 (AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]'		

Seq. No.	39209	Seq. ID	OJ990913_06.0310.C14
Gene No.	80846	Strand	+
Start	102	End	3417
Name	OJ990913_06.0310.C14.o1.gp	Method	AAT/GAP
Start	102	End	3417
GI	8873_1.R1084	Score	1586
Exons	102..188, 264..340, 2123..2285, 2393..2522, 3028..3417		
GI Descrip.	'3319357 1.0e-133 (AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]'		

Seq. No.	39209	Seq. ID	OJ990913_06.0310.C14
Gene No.	80846	Strand	+
Start	102	End	3417
Name	OJ990913_06.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	2383	End	3417
GI	none	Score	71
Exons	2383..2520, 2390..2521, 3026..3415, 3027..3416, 3040..3417		

Seq. No.	39209	Seq. ID	OJ990913_06.0310.C14
Gene No.	80846	Strand	+
Start	102	End	3417
Name	OJ990913_06.0310.C14.o1.ts	Method	TBLASTX:Soybean
Start	3024	End	3417
GI	none	Score	438
Exons	3024..3098, 3026..3412, 3027..3416, 3150..3416, 3151..3417, 3265..3417		

Seq. No.	39209	Seq. ID	OJ990913_06.0310.C14
Gene No.	80846	Strand	+
Start	102	End	3417
Name	OJ990913_06.0310.C14.o1.tc	Method	TBLASTX:Cress
Start	3032	End	3416
GI	none	Score	371
Exons	3032..3187, 3033..3416, 3236..3415		

Seq. No.	39210	Seq. ID	OJ990913_06.0310.C15
Gene No.	80847	Strand	-

Start	1	End	359
Name	OJ990913_06.0310.C15.o1.gp	Method	AAT/GAP
Start	1	End	359
GI	3490_1.R1084	Score	682
Exons	1..359		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39210	Seq. ID	OJ990913_06.0310.C15
Gene No.	80847	Strand	-
Start	1	End	359
Name	OJ990913_06.0310.C15.o1.tm	Method	TBLASTX:Maize
Start	4	End	189
GI	none	Score	286
Exons	4..189, 8..187		

Seq. No.	39210	Seq. ID	OJ990913_06.0310.C15
Gene No.	80847	Strand	-
Start	1	End	359
Name	OJ990913_06.0310.C15.o1.tc	Method	TBLASTX:Cress
Start	5	End	187
GI	none	Score	237
Exons	5..187, 5..184, 7..186		

Seq. No.	39211	Seq. ID	OJ990913_06.0310.C16
Gene No.	80848	Strand	+
Start	2159	End	2219
Name	OJ990913_06.0310.C16.o1.gp	Method	AAT/GAP
Start	2159	End	2219
GI	2312838	Score	72
Exons	2159..2219		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	39211	Seq. ID	OJ990913_06.0310.C16
Gene No.	80849	Strand	-
Start	2053	End	2394
Name	OJ990913_06.0310.C16.o2.gp	Method	AAT/GAP
Start	2053	End	2394
GI	LIB3433-003-Q6-K6-G8	Score	595
Exons	2053..2394		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-25 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39211	Seq. ID	OJ990913_06.0310.C16
Gene No.	80850	Strand	-
Start	3721	End	3898
Name	OJ990913_06.0310.C16.o3.gp	Method	AAT/GAP
Start	3721	End	3898
GI	uC-osflcyp089e10b1	Score	324
Exons	3721..3898		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39211	Seq. ID	OJ990913_06.0310.C16
Gene No.	80851	Strand	-
Start	5787	End	6439

Name	OJ990913_06.0310.C16.o4.gp	Method	AAT/GAP
Start	5787	End	6439
GI	LIB3431-051-P1-K1-E4	Score	678
Exons	5787..6064, 6310..6439		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39212	Seq. ID	OJ990913_06.0310.C20
Gene No.	80852	Strand	
Start	6	End	368
Name	OJ990913_06.0310.C20.o2.ts	Method	TBLASTX:Soybean
Start	6	End	287
GI	none	Score	87
Exons	6..287, 7..219, 61..111		

Seq. No.	39212	Seq. ID	OJ990913_06.0310.C20
Gene No.	80852	Strand	
Start	6	End	368
Name	OJ990913_06.0310.C20.o1.tm	Method	TBLASTX:Maize
Start	36	End	368
GI	none	Score	212
Exons	36..368		

Seq. No.	39212	Seq. ID	OJ990913_06.0310.C20
Gene No.	80853	Strand	
Start	624	End	1067
Name	OJ990913_06.0310.C20.o1.tw	Method	TBLASTX:Wheat
Start	624	End	1022
GI	none	Score	74
Exons	624..893, 646..882, 933..1022		

Seq. No.	39212	Seq. ID	OJ990913_06.0310.C20
Gene No.	80853	Strand	
Start	624	End	1067
Name	OJ990913_06.0310.C20.o1.ts	Method	TBLASTX:Soybean
Start	655	End	1067
GI	none	Score	114
Exons	655..897, 657..914, 832..915, 930..1067, 930..1067		

Seq. No.	39213	Seq. ID	OJ990913_06.0310.C23
Gene No.	80854	Strand	-
Start	1749	End	2024
Name	OJ990913_06.0310.C23.o1.gp	Method	AAT/GAP
Start	1749	End	2024
GI	uC-osflcyp053f07a1	Score	348
Exons	1749..2024		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39214	Seq. ID	OJ990913_06.0310.C24
Gene No.	80855	Strand	
Start	1638	End	2075
Name	OJ990913_06.0310.C24.o1.ts	Method	TBLASTX:Soybean
Start	1638	End	1883
GI	none	Score	45
Exons	1638..1883, 1642..1671, 1644..1673, 1711..1881, 1716..1883		

Seq. No.	39214	Seq. ID	OJ990913_06.0310.C24
Gene No.	80855	Strand	
Start	1638	End	2075
Name	OJ990913_06.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	1659	End	2075
GI	none	Score	69
Exons	1659..2075, 1693..1836		

Seq. No.	39215	Seq. ID	OJ990913_06.0310.C26
Gene No.	80856	Strand	-
Start	1032	End	1260
Name	OJ990913_06.0310.C26.o1.gp	Method	AAT/GAP
Start	1032	End	1260
GI	20088_1.R1084	Score	387
Exons	1032..1260		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 3.0e-72 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o5.tw	Method	TBLASTX:Wheat
Start	329	End	927
GI	none	Score	61
Exons	329..460, 452..616, 685..927, 686..781, 836..922		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o4.tm	Method	TBLASTX:Maize
Start	368	End	622
GI	none	Score	95
Exons	368..469, 369..470, 449..622, 450..602		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o3.tw	Method	TBLASTX:Wheat
Start	929	End	1311
GI	none	Score	225
Exons	929..1306, 931..1311, 1057..1311		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o1.tm	Method	TBLASTX:Maize
Start	1141	End	1449
GI	none	Score	234
Exons	1141..1449, 1142..1426		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o9.tw	Method	TBLASTX:Wheat
Start	1405	End	1746
GI	none	Score	53

Exons	1405..1545, 1472..1558, 1612..1746		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o4.tw	Method	TBLASTX:Wheat
Start	1762	End	2183
GI	none	Score	89
Exons	1762..1977, 1838..1978, 1977..2183, 1978..2178		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o2.ts	Method	TBLASTX:Soybean
Start	1805	End	2192
GI	none	Score	67
Exons	1805..1945, 1807..1929, 1975..2043, 1977..2048, 1978..2052, 2088..2192, 2098..2184		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o5.tm	Method	TBLASTX:Maize
Start	1858	End	2130
GI	none	Score	81
Exons	1858..1956, 1882..2130, 1977..2129		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o8.tw	Method	TBLASTX:Wheat
Start	2184	End	2468
GI	none	Score	55
Exons	2184..2276, 2187..2468, 2361..2459		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o1.ts	Method	TBLASTX:Soybean
Start	2418	End	2819
GI	none	Score	49
Exons	2418..2819, 2446..2622, 2505..2786, 2659..2802		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o2.tw	Method	TBLASTX:Wheat
Start	2476	End	2897
GI	none	Score	244
Exons	2476..2850, 2478..2897, 2479..2799		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o3.tm	Method	TBLASTX:Maize
Start	2571	End	2954
GI	none	Score	136

Exons	2571..2954, 2572..2802

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o2.tm	Method	TBLASTX:Maize
Start	2982	End	3338
GI	none	Score	192
Exons	2982..3338, 2992..3297		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o1.tw	Method	TBLASTX:Wheat
Start	3012	End	3468
GI	none	Score	280
Exons	3012..3467, 3013..3468		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o3.ts	Method	TBLASTX:Soybean
Start	3063	End	3428
GI	none	Score	133
Exons	3063..3194, 3204..3428		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o6.tw	Method	TBLASTX:Wheat
Start	3468	End	4144
GI	none	Score	148
Exons	3468..3641, 3690..3920, 3721..3924, 3968..4144		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o7.tw	Method	TBLASTX:Wheat
Start	4724	End	5126
GI	none	Score	121
Exons	4724..5125, 4857..5126		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o1.gp	Method	AAT/GAP
Start	6116	End	6873
GI	5816562	Score	616
Exons	6116..6141, 6462..6873		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	39217	Seq. ID	OJ990913_06.0310.C31
Gene No.	80858	Strand	
Start	5602	End	5868
Name	OJ990913_06.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	5602	End	5868

GI	none	Score	191
Exons	5602..5868, 5613..5759		

Seq. No.	39217	Seq. ID	OJ990913_06.0310.C31
Gene No.	80858	Strand	
Start	5602	End	5868
Name	OJ990913_06.0310.C31.o1.tw	Method	TBLASTX:Wheat
Start	5605	End	5868
GI	none	Score	222
Exons	5605..5868, 5605..5775, 5607..5780		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80859	Strand	
Start	241	End	447
Name	OJ990913_06.0310.C32.o5.ts	Method	TBLASTX:Soybean
Start	241	End	447
GI	none	Score	47
Exons	241..447, 245..280, 356..442		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80860	Strand	
Start	1026	End	1427
Name	OJ990913_06.0310.C32.o4.ts	Method	TBLASTX:Soybean
Start	1026	End	1307
GI	none	Score	196
Exons	1026..1307		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80860	Strand	
Start	1026	End	1427
Name	OJ990913_06.0310.C32.o4.tm	Method	TBLASTX:Maize
Start	1074	End	1427
GI	none	Score	206
Exons	1074..1427		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80861	Strand	
Start	1951	End	2368
Name	OJ990913_06.0310.C32.o2.ts	Method	TBLASTX:Soybean
Start	1951	End	2368
GI	none	Score	61
Exons	1951..2046, 1952..2014, 2108..2182, 2109..2183, 2230..2367, 2230..2367, 2234..2368		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o1.ts	Method	TBLASTX:Soybean
Start	2519	End	2987
GI	none	Score	70
Exons	2519..2665, 2521..2727, 2695..2952, 2706..2987, 2745..2957		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o2.tw	Method	TBLASTX:Wheat
Start	2605	End	2978

GI	none	Score	65
Exons	2605..2664, 2700..2978, 2814..2930		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o1.tm	Method	TBLASTX:Maize
Start	2676	End	3134
GI	none	Score	317
Exons	2676..3134, 2677..2985, 3070..3132		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o1.tw	Method	TBLASTX:Wheat
Start	3001	End	3410
GI	none	Score	358
Exons	3001..3402, 3003..3410, 3070..3390		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o2.tm	Method	TBLASTX:Maize
Start	3135	End	3350
GI	none	Score	97
Exons	3135..3281, 3135..3350, 3136..3348		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o3.ts	Method	TBLASTX:Soybean
Start	3204	End	3572
GI	none	Score	142
Exons	3204..3335, 3354..3572		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80863	Strand	
Start	4052	End	4414
Name	OJ990913_06.0310.C32.o6.ts	Method	TBLASTX:Soybean
Start	4052	End	4414
GI	none	Score	181
Exons	4052..4414		

Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80864	Strand	
Start	5553	End	5921
Name	OJ990913_06.0310.C32.o3.tm	Method	TBLASTX:Maize
Start	5553	End	5921
GI	none	Score	53
Exons	5553..5771, 5650..5766, 5796..5921, 5797..5904		

Seq. No.	39219	Seq. ID	OJ990913_06.0310.C35
Gene No.	80865	Strand	
Start	48	End	564
Name	OJ990913_06.0310.C35.o1.tm	Method	TBLASTX:Maize
Start	48	End	495
GI	none	Score	124

Exons	48..491, 57..419, 313..495		

Seq. No.	39219	Seq. ID	OJ990913_06.0310.C35
Gene No.	80865	Strand	
Start	48	End	564
Name	OJ990913_06.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	78	End	564
GI	none	Score	203
Exons	78..560, 120..557, 271..564		

Seq. No.	39219	Seq. ID	OJ990913_06.0310.C35
Gene No.	80865	Strand	
Start	48	End	564
Name	OJ990913_06.0310.C35.o1.ts	Method	TBLASTX:Soybean
Start	210	End	524
GI	none	Score	196
Exons	210..524		

Seq. No.	39219	Seq. ID	OJ990913_06.0310.C35
Gene No.	80866	Strand	
Start	699	End	1100
Name	OJ990913_06.0310.C35.o3.tw	Method	TBLASTX:Wheat
Start	699	End	1046
GI	none	Score	55
Exons	699..1046, 736..867		

Seq. No.	39219	Seq. ID	OJ990913_06.0310.C35
Gene No.	80866	Strand	
Start	699	End	1100
Name	OJ990913_06.0310.C35.o3.tm	Method	TBLASTX:Maize
Start	780	End	1100
GI	none	Score	184
Exons	780..1100		

Seq. No.	39219	Seq. ID	OJ990913_06.0310.C35
Gene No.	80867	Strand	
Start	1401	End	1746
Name	OJ990913_06.0310.C35.o2.tw	Method	TBLASTX:Wheat
Start	1401	End	1746
GI	none	Score	54
Exons	1401..1745, 1550..1642, 1615..1746		

Seq. No.	39219	Seq. ID	OJ990913_06.0310.C35
Gene No.	80867	Strand	
Start	1401	End	1746
Name	OJ990913_06.0310.C35.o2.tm	Method	TBLASTX:Maize
Start	1446	End	1745
GI	none	Score	47
Exons	1446..1745, 1447..1527, 1598..1627, 1615..1722		

Seq. No.	39219	Seq. ID	OJ990913_06.0310.C35
Gene No.	80868	Strand	
Start	1797	End	1979
Name	OJ990913_06.0310.C35.o4.tw	Method	TBLASTX:Wheat
Start	1797	End	1979
GI	none	Score	133
Exons	1797..1979, 1798..1977		

Seq. No.	39220	Seq. ID	OJ990913_06.0310.C43
Gene No.	80869	Strand	
Start	2	End	467
Name	OJ990913_06.0310.C43.o1.tw	Method	TBLASTX:Wheat
Start	2	End	305
GI	none	Score	110
Exons	2..37, 32..199, 49..147, 152..235, 153..236, 153..254, 175..243, 249..305, 259..300		

Seq. No.	39220	Seq. ID	OJ990913_06.0310.C43
Gene No.	80869	Strand	
Start	2	End	467
Name	OJ990913_06.0310.C43.o1.tm	Method	TBLASTX:Maize
Start	5	End	251
GI	none	Score	115
Exons	5..37, 32..148, 40..147, 135..251, 175..243		

Seq. No.	39220	Seq. ID	OJ990913_06.0310.C43
Gene No.	80869	Strand	
Start	2	End	467
Name	OJ990913_06.0310.C43.o1.ts	Method	TBLASTX:Soybean
Start	153	End	467
GI	none	Score	120
Exons	153..236, 249..467		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80870	Strand	+
Start	38	End	144
Name	OJ000308_24.0403.C1.o1.gp	Method	AAT/GAP
Start	38	End	144
GI	2280831	Score	127
Exons	38..144		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80871	Strand	+
Start	3056	End	5390
Name	OJ000308_24.0403.C1.o1.np	Method	AAT/NAP
Start	3026	End	5185
GI	7258357	Score	2364
Exons	3026..5185		
GI Descrip.	(AL138656) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80871	Strand	+
Start	3056	End	5390
Name	OJ000308_24.0403.C1.o2.gs	Method	GENSCAN
Start	3056	End	5188
GI	none	Score	1
Exons	3056..5188		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80871	Strand	+
Start	3056	End	5390
Name	OJ000308_24.0403.C1.o2.gp	Method	AAT/GAP
Start	5043	End	5390
GI	none	Score	668

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Exons          5043..5390

Seq. No.       39221                        Seq. ID   OJ000308_24.0403.C1
Gene No.       80872                        Strand    +
Start          9056                         End       12432
Name           OJ000308_24.0403.C1.o2.np    Method    AAT/NAP
Start          9056                         End       12429
GI             7529278                      Score     1883
Exons          9056..9184, 10078..12429
GI Descrip.    (AL163491) putative protein [Arabidopsis thaliana]

Seq. No.       39221                        Seq. ID   OJ000308_24.0403.C1
Gene No.       80872                        Strand    +
Start          9056                         End       12432
Name           OJ000308_24.0403.C1.o4.gs    Method    GENSCAN
Start          9919                         End       12432
GI             none                         Score     .93
Exons          9919..12432

Seq. No.       39221                        Seq. ID   OJ000308_24.0403.C1
Gene No.       80873                        Strand    +
Start          14358                        End       28426
Name           OJ000308_24.0403.C1.o5.gs    Method    GENSCAN
Start          14358                        End       28426
GI             none                         Score     .55
Exons          14358..14468, 14541..14572, 16367..16580, 16610..16790,
               17998..18087, 19669..20002, 20811..21007, 21076..21182,
               21354..21491, 24432..24545, 26238..26284, 26437..26628,
               26716..26818, 26968..27102, 27929..28426

Seq. No.       39221                        Seq. ID   OJ000308_24.0403.C1
Gene No.       80874                        Strand    -
Start          211                          End       1971
Name           OJ000308_24.0403.C1.o1.gs    Method    GENSCAN
Start          211                          End       1971
GI             none                         Score     .57
Exons          211..351, 1228..1352, 1938..1971

Seq. No.       39221                        Seq. ID   OJ000308_24.0403.C1
Gene No.       80875                        Strand    -
Start          9416                         End       9845
Name           OJ000308_24.0403.C1.o3.gp    Method    AAT/GAP
Start          9416                         End       9845
GI             2981_1.R1084                 Score     58
Exons          9416..9450, 9792..9845
GI Descrip.    '21693/emb|CAA46810| 1.0e-152 (X66012) cathepsin B [Triticum
               aestivum]'

Seq. No.       39221                        Seq. ID   OJ000308_24.0403.C1
Gene No.       80876                        Strand    -
Start          26060                        End       28482
Name           OJ000308_24.0403.C1.o5.ts    Method    TBLASTX:Soybean
Start          3116                         End       3742
GI             none                         Score     41
Exons          3116..3148, 3221..3268, 3341..3463, 3514..3570, 3515..3571,
               3682..3732, 3683..3742
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Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o1.tc	Method	TBLASTX:Cress
Start	3521	End	5065
GI	none	Score	158
Exons	3521..3724, 3821..4090, 3836..4090, 4106..4219, 4117..4212, 4877..5065		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o1.tm	Method	TBLASTX:Maize
Start	3542	End	5043
GI	none	Score	83
Exons	3542..3682, 3965..4069, 4252..4329, 4253..5041, 4432..5043		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o1.ts	Method	TBLASTX:Soybean
Start	3572	End	5180
GI	none	Score	92
Exons	3572..3682, 3827..4120, 3878..4093, 3965..4069, 4063..4119, 4097..4390, 4100..4228, 4102..4329, 4118..4162, 4298..4528, 4432..4464, 4529..5134, 4561..5112, 4862..5071, 4920..5180		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o1.tw	Method	TBLASTX:Wheat
Start	3572	End	4666
GI	none	Score	77
Exons	3572..3667, 3601..3663, 4216..4329, 4217..4666, 4347..4661, 4391..4666		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o5.tm	Method	TBLASTX:Maize
Start	3682	End	3964
GI	none	Score	88
Exons	3682..3741, 3683..3742, 3683..3964, 3815..3964		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o4.tw	Method	TBLASTX:Wheat
Start	3923	End	5087
GI	none	Score	105
Exons	3923..4069, 3986..4090, 4097..4165, 4796..5071, 4825..5052, 4931..5086, 4941..5087		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o3.tc	Method	TBLASTX:Cress

Start	4219	End	4609
GI	none	Score	203
Exons	4219..4329, 4220..4396, 4406..4609, 4432..4467, 4433..4603, 4561..4608		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o2.tm	Method	TBLASTX:Maize
Start	10201	End	12177
GI	none	Score	119
Exons	10201..10344, 10204..10422, 10216..10425, 10456..10704, 10699..11028, 10759..10986, 10780..10923, 10825..11094, 10933..11286, 10987..11331, 10996..11400, 11119..11286, 11197..11382, 11299..11625, 11314..12177, 11329..11352, 11428..11589, 11430..11540, 11613..11849, 11931..12044		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o4.ts	Method	TBLASTX:Soybean
Start	10204	End	11670
GI	none	Score	128
Exons	10204..10425, 10387..10734, 10684..11061, 10686..10982, 10771..11037, 10989..11075, 10990..11367, 11196..11339, 11311..11670, 11424..11540		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o4.tc	Method	TBLASTX:Cress
Start	10315	End	11898
GI	none	Score	130
Exons	10315..10773, 10609..11076, 10915..11391, 11212..11772, 11776..11898		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o2.tw	Method	TBLASTX:Wheat
Start	10399	End	11733
GI	none	Score	119
Exons	10399..10734, 10657..10776, 10816..11073, 10957..11346, 11254..11733, 11598..11732		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o2.ts	Method	TBLASTX:Soybean
Start	11671	End	12204
GI	none	Score	434
Exons	11671..12204, 11679..12044, 12075..12203		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o2.tc	Method	TBLASTX:Cress

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Start       11899                       End      12435
GI          none                        Score    428
Exons       11899..12435, 11928..12431, 12283..12432

Seq. No.    39221                       Seq. ID  OJ000308_24.0403.C1
Gene No.    80876                       Strand   -
Start       26060                       End      28482
Name        OJ000308_24.0403.C1.o4.tm   Method   TBLASTX:Maize
Start       12178                       End      12435
GI          none                        Score    314
Exons       12178..12435, 12225..12434

Seq. No.    39221                       Seq. ID  OJ000308_24.0403.C1
Gene No.    80876                       Strand   -
Start       26060                       End      28482
Name        OJ000308_24.0403.C1.o3.ts   Method   TBLASTX:Soybean
Start       12214                       End      12438
GI          none                        Score    289
Exons       12214..12438, 12225..12431

Seq. No.    39221                       Seq. ID  OJ000308_24.0403.C1
Gene No.    80876                       Strand   -
Start       26060                       End      28482
Name        OJ000308_24.0403.C1.o6.tm   Method   TBLASTX:Maize
Start       16601                       End      16822
GI          none                        Score    226
Exons       16601..16822, 16603..16821, 16610..16822

Seq. No.    39221                       Seq. ID  OJ000308_24.0403.C1
Gene No.    80876                       Strand   -
Start       26060                       End      28482
Name        OJ000308_24.0403.C1.o5.tw   Method   TBLASTX:Wheat
Start       16607                       End      16966
GI          none                        Score    178
Exons       16607..16777, 16621..16764, 16859..16966

Seq. No.    39221                       Seq. ID  OJ000308_24.0403.C1
Gene No.    80876                       Strand   -
Start       26060                       End      28482
Name        OJ000308_24.0403.C1.o3.tm   Method   TBLASTX:Maize
Start       16864                       End      17333
GI          none                        Score    314
Exons       16864..17271, 16865..17236, 17282..17332, 17283..17333

Seq. No.    39221                       Seq. ID  OJ000308_24.0403.C1
Gene No.    80876                       Strand   -
Start       26060                       End      28482
Name        OJ000308_24.0403.C1.o3.tw   Method   TBLASTX:Wheat
Start       17066                       End      17428
GI          none                        Score    134
Exons       17066..17287, 17282..17428, 17283..17426

Seq. No.    39221                       Seq. ID  OJ000308_24.0403.C1
Gene No.    80876                       Strand   -
Start       26060                       End      28482
Name        OJ000308_24.0403.C1.o5.np   Method   AAT/NAP
Start       26060                       End      28482
```

GI	7340881	Score	132
Exons	26060..26082, 27902..28157, 28373..28482		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o4.gp	Method	AAT/GAP
Start	26328	End	26439
GI	uC-osflcyp088b12b1	Score	169
Exons	26328..26439		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39222	Seq. ID	OJ000308_24.0403.C2
Gene No.	80877	Strand	+
Start	60	End	1439
Name	OJ000308_24.0403.C2.o1.gs	Method	GENSCAN
Start	60	End	1439
GI	none	Score	.62
Exons	60..198, 1348..1439		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80878	Strand	+
Start	97	End	987
Name	OJ000308_24.0403.C3.o1.gs	Method	GENSCAN
Start	97	End	987
GI	none	Score	.44
Exons	97..987		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2173
GI	none	Score	83
Exons	1..123, 187..519, 2032..2079, 2033..2098, 2122..2166, 2123..2173		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o3.tw	Method	TBLASTX:Wheat
Start	34	End	423
GI	none	Score	89
Exons	34..168, 40..123, 181..423, 195..284		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o2.gs	Method	GENSCAN
Start	1066	End	2152
GI	none	Score	.57
Exons	1066..1747, 1851..1906, 2006..2152		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764

Name	OJ000308_24.0403.C3.o2.tm	Method	TBLASTX:Maize
Start	1891	End	2275
GI	none	Score	90
Exons	1891..1983, 1893..1985, 2012..2275, 2033..2188, 2116..2244		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o2.np	Method	AAT/NAP
Start	2003	End	2764
GI	7489803	Score	749
Exons	2003..2764		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o2.tw	Method	TBLASTX:Wheat
Start	2027	End	2344
GI	none	Score	228
Exons	2027..2344, 2110..2262		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	2411	End	2749
GI	none	Score	467
Exons	2411..2749, 2411..2746, 2677..2748		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o1.tw	Method	TBLASTX:Wheat
Start	2416	End	2752
GI	none	Score	260
Exons	2416..2646, 2417..2662, 2702..2752		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80880	Strand	+
Start	1	End	718
Name	OJ000308_24.0403.C4.o1.np	Method	AAT/NAP
Start	1	End	718
GI	6630685	Score	996
Exons	1..718		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80881	Strand	+
Start	1422	End	5486
Name	OJ000308_24.0403.C4.o1.gs	Method	GENSCAN
Start	1422	End	5486
GI	none	Score	.58
Exons	1422..1554, 1680..1736, 2047..2107, 2297..3395, 5366..5486		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80882	Strand	+
Start	12593	End	12921
Name	OJ000308_24.0403.C4.o2.gp	Method	AAT/GAP
Start	12593	End	12921
GI	3107514	Score	654
Exons	12593..12921		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80883	Strand	-
Start	3373	End	7418
Name	OJ000308_24.0403.C4.o2.np	Method	AAT/NAP
Start	3373	End	7418
GI	6721516	Score	608
Exons	3373..3424, 4693..5037, 5456..5696, 7380..7418		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80884	Strand	-
Start	7393	End	11236
Name	OJ000308_24.0403.C4.o3.np	Method	AAT/NAP
Start	7393	End	11236
GI	7487480	Score	124
Exons	7393..7829, 11165..11236		
GI Descrip.	hypothetical protein T27E13.3 - Arabidopsis thaliana gi|2347189|gb|AAC16928.1| (AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80884	Strand	-
Start	7393	End	11236
Name	OJ000308_24.0403.C4.o1.gp	Method	AAT/GAP
Start	7567	End	8019
GI	LIB3432-039-P1-K1-A5	Score	842
Exons	7567..8019		
GI Descrip.	'2347189 2.0e-11 (AC002338) hypothetical protein [Arabidopsis thaliana] >gi_3150399 (AC004165) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	55	End	731
GI	none	Score	751
Exons	55..591, 57..581, 64..597, 593..715, 613..729, 618..731		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o1.ts	Method	TBLASTX:Soybean
Start	64	End	584
GI	none	Score	309
Exons	64..447, 69..440, 76..447, 481..579, 489..584		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4

Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o1.tw	Method	TBLASTX:Wheat
Start	225	End	375
GI	none	Score	69
Exons	225..365, 225..374, 226..375		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o2.tm	Method	TBLASTX:Maize
Start	7626	End	7829
GI	none	Score	91
Exons	7626..7733, 7636..7725, 7735..7821, 7737..7829, 7746..7829		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o3.gs	Method	GENSCAN
Start	12282	End	12725
GI	none	Score	.5
Exons	12282..12419, 12690..12725		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80886	Strand	+
Start	1	End	1623
Name	OJ000308_24.0403.C6.o1.np	Method	AAT/NAP
Start	1	End	1600
GI	6693034	Score	239
Exons	1..85, 171..312, 857..1039, 1491..1600		
GI Descrip.	(AC012375) T22C5.17 [Arabidopsis thaliana]		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80886	Strand	+
Start	1	End	1623
Name	OJ000308_24.0403.C6.o1.gs	Method	GENSCAN
Start	171	End	1623
GI	none	Score	.77
Exons	171..317, 682..753, 841..1072, 1574..1623		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80887	Strand	+
Start	15124	End	21235
Name	OJ000308_24.0403.C6.o3.gs	Method	GENSCAN
Start	15124	End	21235
GI	none	Score	.59
Exons	15124..15197, 15538..15692, 16539..16605, 18254..18544, 18588..18699, 18789..18881, 19012..19176, 19339..19505, 19540..19635, 19716..20310, 20405..21235		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80888	Strand	-
Start	2328	End	12330
Name	OJ000308_24.0403.C6.o1.gp	Method	AAT/GAP
Start	2038	End	4579
GI	4620_1.R1084	Score	1884
Exons	2038..2397, 2789..2860, 2953..3024, 3377..3520, 3619..3690,		

	4217..4579		
GI Descrip.	'3860323/emb|CAA10129| 9.0e-15 (AJ012688) hypothetical protein [Cicer arietinum]'		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80888	Strand	-
Start	2328	End	12330
Name	OJ000308_24.0403.C6.o2.gs	Method	GENSCAN
Start	2328	End	12330
GI	none	Score	.45
Exons	2328..2397, 2953..3024, 3377..3520, 4072..4173, 4217..4540, 4701..4852, 7818..7916, 8286..8320, 10719..11097, 11149..11332, 11940..12048, 12129..12330		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80888	Strand	-
Start	2328	End	12330
Name	OJ000308_24.0403.C6.o2.np	Method	AAT/NAP
Start	2331	End	4425
GI	6498429	Score	637
Exons	2331..2397, 2789..2860, 2953..3024, 3377..3520, 3619..3690, 4217..4425		
GI Descrip.	(AP000815) ESTs C97644(C60871),AU081265(C60871) correspond to a region of the predicted gene.; Similar to L.esculentum LRP gene. (X95269) [Oryza sativa]		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o3.tm	Method	TBLASTX:Maize
Start	28	End	320
GI	none	Score	75
Exons	28..84, 29..85, 162..320, 171..317		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	2328	End	4362
GI	none	Score	70
Exons	2328..2387, 2332..2385, 2785..2871, 2798..2860, 2940..3047, 2980..3024, 3370..3531, 3376..3519, 3380..3520, 3385..3558, 3404..3529, 3412..3516, 3618..3689, 3619..3690, 4240..4362, 4241..4360		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	2331	End	4362
GI	none	Score	73
Exons	2331..2399, 2785..2871, 2952..3023, 3364..3531, 3376..3519, 3379..3519, 3385..3519, 3407..3532, 3412..3549, 3618..3689, 3619..3696, 4232..4354, 4240..4362		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-

Start	17570	End	18637
Name	OJ000308_24.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	2833	End	3699
GI	none	Score	50
Exons	2833..2871, 2834..2869, 2931..3020, 2953..3027, 2958..3023, 3375..3518, 3376..3519, 3377..3535, 3382..3531, 3385..3522, 3395..3505, 3615..3698, 3618..3698, 3619..3699		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	2834	End	4362
GI	none	Score	42
Exons	2834..2869, 2836..2871, 2937..3020, 2952..3047, 2953..3027, 3376..3519, 3376..3519, 3377..3520, 3382..3549, 3385..3519, 3615..3689, 3618..3689, 3619..3690, 4231..4362, 4232..4360		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o4.tm	Method	TBLASTX:Maize
Start	4238	End	4362
GI	none	Score	168
Exons	4238..4360, 4240..4362		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	17285	End	17692
GI	none	Score	88
Exons	17285..17431, 17380..17439, 17380..17430, 17385..17438, 17564..17692, 17565..17687		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o2.tc	Method	TBLASTX:Cress
Start	17557	End	17692
GI	none	Score	160
Exons	17557..17688, 17567..17692, 17568..17687		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	17560	End	17692
GI	none	Score	162
Exons	17560..17688, 17567..17692, 17568..17687, 17620..17688		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o2.tw	Method	TBLASTX:Wheat
Start	17565	End	17692
GI	none	Score	173

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Exons         17565..17687, 17567..17692

Seq. No.      39225                         Seq. ID   OJ000308_24.0403.C6
Gene No.      80889                         Strand    -
Start         17570                         End       18637
Name          OJ000308_24.0403.C6.o3.np     Method    AAT/NAP
Start         17570                         End       18634
GI            3169182                       Score     194
Exons         17570..17700, 18532..18634
GI Descrip.   (AC004401) unknown protein [Arabidopsis thaliana]

Seq. No.      39225                         Seq. ID   OJ000308_24.0403.C6
Gene No.      80889                         Strand    -
Start         17570                         End       18637
Name          OJ000308_24.0403.C6.o2.gp     Method    AAT/GAP
Start         17615                         End       17703
GI            1036979                       Score     105
Exons         17615..17703
GI Descrip.   3860323/emb|CAA10129| 9.0e-15 (AJ012688) hypothetical protein
              [Cicer arietinum]

Seq. No.      39225                         Seq. ID   OJ000308_24.0403.C6
Gene No.      80889                         Strand    -
Start         17570                         End       18637
Name          OJ000308_24.0403.C6.o3.gp     Method    AAT/GAP
Start         18108                         End       18637
GI            28928_1.R1084                 Score     968
Exons         18108..18637
GI Descrip.   '3860323/emb|CAA10129| 6.0e-10 (AJ012688) hypothetical protein
              [Cicer arietinum]'

Seq. No.      39226                         Seq. ID   OJ000308_24.0403.C7
Gene No.      80890                         Strand    -
Start         904                           End       4958
Name          OJ000308_24.0403.C7.o1.gs     Method    GENSCAN
Start         904                           End       3685
GI            none                          Score     .73
Exons         904..2399, 2724..3257, 3289..3685

Seq. No.      39226                         Seq. ID   OJ000308_24.0403.C7
Gene No.      80890                         Strand    -
Start         904                           End       4958
Name          OJ000308_24.0403.C7.o1.np     Method    AAT/NAP
Start         907                           End       4958
GI            7489805                       Score     2247
Exons         907..3616, 4935..4958
GI Descrip.   polyprotein - maize retrotransposon Cinful-1
              gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]

Seq. No.      39226                         Seq. ID   OJ000308_24.0403.C7
Gene No.      80890                         Strand    -
Start         904                           End       4958
Name          OJ000308_24.0403.C7.o6.tw     Method    TBLASTX:Wheat
Start         916                           End       1512
GI            none                          Score     102
Exons         916..1041, 1234..1365, 1393..1512
```

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o5.tm	Method	TBLASTX:Maize
Start	958	End	1218
GI	none	Score	84
Exons	958..1218, 983..1150		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o4.tm	Method	TBLASTX:Maize
Start	1225	End	1467
GI	none	Score	204
Exons	1225..1467		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	1483	End	1857
GI	none	Score	59
Exons	1483..1701, 1490..1675, 1714..1857		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	1498	End	1860
GI	none	Score	241
Exons	1498..1860, 1499..1768		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o2.tw	Method	TBLASTX:Wheat
Start	1630	End	2019
GI	none	Score	59
Exons	1630..2019, 1639..1770, 1808..1975		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	1860	End	2127
GI	none	Score	73
Exons	1860..2075, 1861..2127, 1862..2020		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o3.tw	Method	TBLASTX:Wheat
Start	2257	End	2664
GI	none	Score	107
Exons	2257..2664, 2282..2647		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7

Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o4.tw	Method	TBLASTX:Wheat
Start	2680	End	2925
GI	none	Score	84
Exons	2680..2925, 2693..2905		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	2986	End	3367
GI	none	Score	64
Exons	2986..3303, 3176..3304, 3296..3367		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o5.tw	Method	TBLASTX:Wheat
Start	2995	End	3210
GI	none	Score	57
Exons	2995..3210, 3013..3180, 3101..3205		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	3088	End	3469
GI	none	Score	103
Exons	3088..3303, 3101..3298, 3291..3446, 3293..3469, 3307..3447, 3341..3466		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o1.tw	Method	TBLASTX:Wheat
Start	3211	End	3617
GI	none	Score	152
Exons	3211..3303, 3296..3616, 3297..3617, 3459..3617		

Seq. No.	39227	Seq. ID	OJ000308_24.0403.C8
Gene No.	80891	Strand	-
Start	1	End	2683
Name	OJ000308_24.0403.C8.o1.np	Method	AAT/NAP
Start	1	End	2092
GI	7485123	Score	567
Exons	1..106, 244..336, 404..535, 607..707, 882..987, 1080..1184, 1566..1620, 1806..1891, 2057..2092		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244913|emb|CAB10335.1| (Z97339) SEN1 like protein [Arabidopsis thaliana] gi|7268305|emb|CAB78599.1| (AL161542) SEN1 like protein [Arabidopsis thaliana]		

Seq. No.	39227	Seq. ID	OJ000308_24.0403.C8
Gene No.	80891	Strand	-
Start	1	End	2683
Name	OJ000308_24.0403.C8.o1.gs	Method	GENSCAN

Start	244	End	2683
GI	none	Score	.81
Exons	244..336, 431..535, 610..707, 882..987, 1080..1202, 2057..2092, 2184..2312, 2486..2683		

Seq. No.	39227	Seq. ID	OJ000308_24.0403.C8
Gene No.	80891	Strand	-
Start	1	End	2683
Name	OJ000308_24.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	254	End	727
GI	none	Score	117
Exons	254..337, 254..334, 429..530, 432..533, 604..720, 611..727		

Seq. No.	39227	Seq. ID	OJ000308_24.0403.C8
Gene No.	80891	Strand	-
Start	1	End	2683
Name	OJ000308_24.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	934	End	1885
GI	none	Score	48
Exons	934..987, 934..987, 939..992, 1080..1190, 1081..1191, 1100..1195, 1569..1631, 1570..1623, 1805..1885, 1806..1883		

Seq. No.	39228	Seq. ID	OJ000308_24.0403.C9
Gene No.	80892	Strand	-
Start	79	End	934
Name	OJ000308_24.0403.C9.o1.gs	Method	GENSCAN
Start	79	End	934
GI	none	Score	.91
Exons	79..308, 877..934		

Seq. No.	39229	Seq. ID	OJ000308_26.0403.C4
Gene No.	80893	Strand	+
Start	716	End	978
Name	OJ000308_26.0403.C4.o1.gs	Method	GENSCAN
Start	716	End	978
GI	none	Score	.7
Exons	716..978		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80894	Strand	+
Start	347	End	3901
Name	OJ000308_26.0403.C7.o1.gs	Method	GENSCAN
Start	347	End	3625
GI	none	Score	.85
Exons	347..449, 1304..2037, 2969..3625		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80894	Strand	+
Start	347	End	3901
Name	OJ000308_26.0403.C7.o1.gp	Method	AAT/GAP
Start	1240	End	1597
GI	none	Score	668
Exons	1240..1597		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80894	Strand	+
Start	347	End	3901

Name	OJ000308_26.0403.C7.o1.np	Method	AAT/NAP
Start	1351	End	3484
GI	7489337	Score	641
Exons	1351..2037, 2669..2835, 2969..3484		
GI Descrip.	leucine-rich protein - common sunflower gi|1871526|emb|CAA57523.1| (X81997) leucine-rich-repeat protein [Helianthus annuus]		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80894	Strand	+
Start	347	End	3901
Name	OJ000308_26.0403.C7.o2.gp	Method	AAT/GAP
Start	3471	End	3901
GI	3761655	Score	759
Exons	3471..3901		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80895	Strand	+
Start	12064	End	12161
Name	OJ000308_26.0403.C7.o3.np	Method	AAT/NAP
Start	12064	End	12161
GI	5777617	Score	100
Exons	12064..12161		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80896	Strand	-
Start	4243	End	9969
Name	OJ000308_26.0403.C7.o3.gp	Method	AAT/GAP
Start	4243	End	7280
GI	10968_1.R1084	Score	4541
Exons	4243..4686, 4786..5385, 5482..5631, 5791..6018, 6191..6305, 6395..7280		
GI Descrip.	'4220521/emb|CAA22994| 1.0e-72 (AL035356) putative protein [Arabidopsis thaliana]'		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80896	Strand	-
Start	4243	End	9969
Name	OJ000308_26.0403.C7.o2.gs	Method	GENSCAN
Start	4582	End	9695
GI	none	Score	.65
Exons	4582..4686, 4786..5385, 5482..5631, 5791..6018, 6191..6342, 6395..6457, 6882..7662, 9624..9695		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80896	Strand	-
Start	4243	End	9969
Name	OJ000308_26.0403.C7.o2.np	Method	AAT/NAP
Start	4588	End	7695
GI	7452446	Score	796
Exons	4588..4686, 4786..4952, 5100..5631, 5791..6058, 6187..6305, 6395..6594, 6948..7695		
GI Descrip.	hypothetical protein F22K18.110 - Arabidopsis thaliana gi|4220521|emb|CAA22994.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269320|emb|CAB79379.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80896	Strand	-
Start	4243	End	9969
Name	OJ000308_26.0403.C7.o4.gp	Method	AAT/GAP
Start	7273	End	9969
GI	31172_1.R1084	Score	1405
Exons	7273..7662, 9624..9969		
GI Descrip.	'2129698/pir||S61766 1.0e-11 protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana >gi_1054633_emb_CAA63387_ (X92728) protein kinase [Arabidopsis thaliana]'		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	1924	End	3528
GI	none	Score	139
Exons	1924..2043, 2648..2824, 2663..2809, 2674..2805, 2702..2824, 2801..2836, 2812..2835, 2955..3071, 3071..3358, 3071..3169, 3073..3156, 3218..3313, 3229..3528		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	2732	End	3358
GI	none	Score	71
Exons	2732..2830, 3122..3358		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	4514	End	7347
GI	none	Score	44
Exons	4514..4537, 4551..4628, 4567..4686, 4571..4633, 4571..4687, 4572..4688, 4786..4941, 4786..4914, 4805..4939, 5083..5196, 5230..5361, 5234..5362, 5344..5397, 5345..5386, 5451..5549, 5470..5634, 5479..5637, 5788..6006, 5792..6007, 5792..6007, 5793..6011, 6197..6322, 6198..6311, 6389..6553, 6400..6552, 6407..6586, 6417..6569, 6417..6596, 6624..6695, 6638..6694, 6803..6874, 6814..6891, 6816..6875, 6879..6920, 6904..7005, 7051..7164, 7053..7151, 7087..7293, 7162..7287, 7190..7291, 7294..7347		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	4591	End	5956
GI	none	Score	151
Exons	4591..4686, 4786..4914, 4787..4915, 5470..5634, 5479..5637, 5788..5934, 5817..5936, 5819..5956, 5819..5956		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-

Start	10466	End	11494
Name	OJ000308_26.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	4825	End	6469
GI	none	Score	88
Exons	4825..4953, 4825..4914, 4826..4954, 5266..5343, 5457..5549, 5471..5629, 5479..5634, 5479..5637, 5788..5997, 5789..5974, 6227..6343, 6389..6469, 6397..6465		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	7414	End	7668
GI	none	Score	158
Exons	7414..7470, 7421..7663, 7522..7668, 7525..7668		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o3.gs	Method	GENSCAN
Start	10466	End	11494
GI	none	Score	.87
Exons	10466..10637, 11430..11494		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80898	Strand	+
Start	1	End	4894
Name	OJ000308_26.0403.C8.o2.np	Method	AAT/NAP
Start	1	End	4894
GI	2662099	Score	269
Exons	1..166, 1379..1491, 2308..2422, 2529..2623, 3357..3463, 3547..3661, 4664..4706, 4826..4894		
GI Descrip.	(AB007869) KIAA0409 [Homo sapiens]		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80898	Strand	+
Start	1	End	4894
Name	OJ000308_26.0403.C8.o1.gs	Method	GENSCAN
Start	605	End	3766
GI	none	Score	.79
Exons	605..875, 1379..1439, 1904..1955, 2308..2422, 2529..2623, 3357..3463, 3547..3766		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80899	Strand	-
Start	351	End	457
Name	OJ000308_26.0403.C8.o1.np	Method	AAT/NAP
Start	351	End	457
GI	5777617	Score	75
Exons	351..457		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80900	Strand	-
Start	4444	End	5638
Name	OJ000308_26.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	2323	End	3463

GI	none	Score	134
Exons	2323..2424, 2328..2423, 2524..2613, 2528..2623, 2532..2615, 3353..3463, 3366..3461, 3368..3463		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80900	Strand	-
Start	4444	End	5638
Name	OJ000308_26.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	2516	End	4915
GI	none	Score	128
Exons	2516..2662, 2552..2665, 3356..3463, 3366..3461, 3540..3668, 3545..3661, 4653..4709, 4656..4709, 4663..4713, 4826..4915, 4826..4912		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80900	Strand	-
Start	4444	End	5638
Name	OJ000308_26.0403.C8.o2.gs	Method	GENSCAN
Start	4444	End	5638
GI	none	Score	.54
Exons	4444..4601, 5198..5638		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.ts	Method	TBLASTX:Soybean
Start	193	End	2542
GI	none	Score	175
Exons	193..342, 215..349, 216..347, 437..571, 438..575, 662..880, 664..870, 665..886, 2443..2505, 2451..2513, 2456..2542		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.tc	Method	TBLASTX:Cress
Start	215	End	2739
GI	none	Score	176
Exons	215..349, 216..347, 287..349, 437..574, 438..575, 662..880, 664..864, 2414..2569, 2443..2589, 2451..2579, 2643..2735, 2650..2739		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.gs	Method	GENSCAN
Start	216	End	2577
GI	none	Score	.73
Exons	216..346, 443..533, 671..866, 2453..2577		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.np	Method	AAT/NAP
Start	216	End	2739
GI	2129698	Score	818
Exons	216..346, 443..575, 671..866, 2453..2577, 2656..2739		
GI Descrip.	protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana		

gi|1054633|emb|CAA63387| (X92728) protein kinase [Arabidopsis thaliana]

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	248	End	811
GI	none	Score	108
Exons	248..349, 249..347, 434..574, 438..575, 662..811		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	308	End	2739
GI	none	Score	69
Exons	308..349, 309..347, 437..670, 438..575, 662..880, 664..864, 665..871, 2432..2575, 2443..2589, 2451..2588, 2649..2738, 2650..2739, 2650..2736		

Seq. No.	39233	Seq. ID	OJ000308_26.0403.C12
Gene No.	80902	Strand	+
Start	1243	End	1823
Name	OJ000308_26.0403.C12.o1.gs	Method	GENSCAN
Start	1243	End	1823
GI	none	Score	.75
Exons	1243..1334, 1638..1823		

Seq. No.	39233	Seq. ID	OJ000308_26.0403.C12
Gene No.	80902	Strand	+
Start	1243	End	1823
Name	OJ000308_26.0403.C12.o1.np	Method	AAT/NAP
Start	1564	End	1803
GI	6539588	Score	116
Exons	1564..1803		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39234	Seq. ID	OJ000308_26.0403.C13
Gene No.	80903	Strand	-
Start	2373	End	2548
Name	OJ000308_26.0403.C13.o2.gs	Method	GENSCAN
Start	2373	End	2548
GI	none	Score	.97
Exons	2373..2548		

Seq. No.	39235	Seq. ID	OJ000308_26.0403.C14
Gene No.	80904	Strand	-
Start	316	End	854
Name	OJ000308_26.0403.C14.o1.gs	Method	GENSCAN
Start	316	End	854
GI	none	Score	.53
Exons	316..854		

Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80905	Strand	+
Start	692	End	953

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Name          OJ000308_26.0403.C15.o1.gs    Method   GENSCAN
Start         692                           End      953
GI            none                          Score    .45
Exons         692..811, 924..953

Seq. No.      39236                         Seq. ID  OJ000308_26.0403.C15
Gene No.      80906                         Strand   +
Start         10842                         End      11954
Name          OJ000308_26.0403.C15.o4.gs    Method   GENSCAN
Start         10842                         End      11954
GI            none                          Score    .92
Exons         10842..11033, 11128..11394, 11406..11954

Seq. No.      39236                         Seq. ID  OJ000308_26.0403.C15
Gene No.      80907                         Strand   +
Start         14328                         End      14999
Name          OJ000308_26.0403.C15.o5.gs    Method   GENSCAN
Start         14328                         End      14999
GI            none                          Score    .99
Exons         14328..14999

Seq. No.      39236                         Seq. ID  OJ000308_26.0403.C15
Gene No.      80907                         Strand   +
Start         14328                         End      14999
Name          OJ000308_26.0403.C15.o2.np    Method   AAT/NAP
Start         14463                         End      14860
GI            5734617                       Score    464
Exons         14463..14860
GI Descrip.   (AP000391) hypothetical protein [Oryza sativa]

Seq. No.      39236                         Seq. ID  OJ000308_26.0403.C15
Gene No.      80908                         Strand   -
Start         2021                          End      6005
Name          OJ000308_26.0403.C15.o2.gs    Method   GENSCAN
Start         2021                          End      6005
GI            none                          Score    .93
Exons         2021..2590, 2721..3983, 4170..4239, 5881..6005

Seq. No.      39236                         Seq. ID  OJ000308_26.0403.C15
Gene No.      80908                         Strand   -
Start         2021                          End      6005
Name          OJ000308_26.0403.C15.o1.np    Method   AAT/NAP
Start         2024                          End      4455
GI            6553905                       Score    1188
Exons         2024..2167, 2198..2590, 2721..3338, 3366..3983, 4170..4235,
              4393..4455
GI Descrip.   (AC012563) unknown protein [Arabidopsis thaliana]

Seq. No.      39236                         Seq. ID  OJ000308_26.0403.C15
Gene No.      80908                         Strand   -
Start         2021                          End      6005
Name          OJ000308_26.0403.C15.o1.gp    Method   AAT/GAP
Start         2107                          End      2486
GI            none                          Score    736
Exons         2107..2486

Seq. No.      39236                         Seq. ID  OJ000308_26.0403.C15
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Gene No.	80909	Strand	-
Start	9450	End	10131
Name	OJ000308_26.0403.C15.o3.gs	Method	GENSCAN
Start	9450	End	10131
GI	none	Score	.77
Exons	9450..9978, 10112..10131		

Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o1.tc	Method	TBLASTX:Cress
Start	2447	End	2879
GI	none	Score	133
Exons	2447..2587, 2697..2879		

Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o1.ts	Method	TBLASTX:Soybean
Start	2447	End	2879
GI	none	Score	145
Exons	2447..2587, 2706..2879		

Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o2.tm	Method	TBLASTX:Maize
Start	2447	End	2888
GI	none	Score	83
Exons	2447..2587, 2493..2588, 2703..2888		

Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	2926	End	3456
GI	none	Score	47
Exons	2926..2970, 3048..3116, 3049..3186, 3052..3309, 3120..3308, 3390..3455, 3391..3456		

Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o3.ts	Method	TBLASTX:Soybean
Start	3090	End	3573
GI	none	Score	110
Exons	3090..3314, 3121..3300, 3405..3536, 3418..3573		

Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o2.ts	Method	TBLASTX:Soybean
Start	3621	End	4467
GI	none	Score	103
Exons	3621..3911, 3781..3912, 4405..4467		

Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15

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Gene No.     80910                        Strand   -
Start        23307                        End      23559
Name         OJ000308_26.0403.C15.o3.tm   Method   TBLASTX:Maize
Start        3621                         End      3918
GI           none                         Score    95
Exons        3621..3917, 3643..3918

Seq. No.     39236                        Seq. ID  OJ000308_26.0403.C15
Gene No.     80910                        Strand   -
Start        23307                        End      23559
Name         OJ000308_26.0403.C15.o1.tw   Method   TBLASTX:Wheat
Start        3624                         End      3918
GI           none                         Score    145
Exons        3624..3917, 3643..3918

Seq. No.     39236                        Seq. ID  OJ000308_26.0403.C15
Gene No.     80910                        Strand   -
Start        23307                        End      23559
Name         OJ000308_26.0403.C15.o2.tc   Method   TBLASTX:Cress
Start        3669                         End      4456
GI           none                         Score    102
Exons        3669..3731, 3753..3929, 3772..3897, 4375..4455, 4382..4456

Seq. No.     39236                        Seq. ID  OJ000308_26.0403.C15
Gene No.     80910                        Strand   -
Start        23307                        End      23559
Name         OJ000308_26.0403.C15.o7.gs   Method   GENSCAN
Start        23307                        End      23559
GI           none                         Score    .41
Exons        23307..23559

Seq. No.     39237                        Seq. ID  OJ000308_26.0403.C16
Gene No.     80911                        Strand   -
Start        70                           End      4381
Name         OJ000308_26.0403.C16.o1.gs   Method   GENSCAN
Start        70                           End      4336
GI           none                         Score    .74
Exons        70..212, 1801..1972, 2187..2357, 3579..3595, 4114..4336

Seq. No.     39237                        Seq. ID  OJ000308_26.0403.C16
Gene No.     80911                        Strand   -
Start        70                           End      4381
Name         OJ000308_26.0403.C16.o1.np   Method   AAT/NAP
Start        1919                         End      4381
GI           5042454                      Score    175
Exons        1919..1979, 2318..2483, 4306..4381
GI Descrip.  (AC007789) putative polyprotein [Oryza sativa]

Seq. No.     39238                        Seq. ID  OJ000308_26.0403.C18
Gene No.     80914                        Strand   +
Start        80                           End      6505
Name         OJ000308_26.0403.C18.o1.gs   Method   GENSCAN
Start        80                           End      6505
GI           none                         Score    .54
Exons        80..122, 599..719, 1643..3614, 3624..4037, 4142..5020,
             5065..5295, 5311..6071, 6232..6505
```

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80914	Strand	+
Start	80	End	6505
Name	OJ000308_26.0403.C18.o1.np	Method	AAT/NAP
Start	1674	End	6502
GI	5295971	Score	5372
Exons	1674..2092, 2148..6084, 6110..6502		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80915	Strand	+
Start	8256	End	8637
Name	OJ000308_26.0403.C18.o1.gp	Method	AAT/GAP
Start	8256	End	8637
GI	286806	Score	731
Exons	8256..8637		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80916	Strand	+
Start	8727	End	9194
Name	OJ000308_26.0403.C18.o2.gp	Method	AAT/GAP
Start	8727	End	9194
GI	3760921	Score	893
Exons	8727..9194		
GI Descrip.	5230728/gb|AAD40979.1|AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o4.tc	Method	TBLASTX:Cress
Start	194	End	568
GI	none	Score	217
Exons	194..301, 195..458, 196..384, 478..567, 482..568		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o1.tm	Method	TBLASTX:Maize
Start	195	End	7470
GI	none	Score	248
Exons	195..401, 196..384, 217..405, 476..718, 478..714, 585..728, 6823..7041, 6824..7042, 6825..7046, 7128..7460, 7135..7470, 7138..7422, 7145..7468		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o1.ts	Method	TBLASTX:Soybean
Start	195	End	9064
GI	none	Score	235
Exons	195..401, 196..384, 471..641, 476..718, 478..714, 6785..7042, 6825..7055, 6895..7041, 7135..7491, 7138..7476, 7145..7504,		

7818..7865, 7824..7862, 7852..7938, 7860..7937, 8565..8870, 8566..8871, 8566..8871, 8950..9063, 8951..9064

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o4.tw	Method	TBLASTX:Wheat
Start	208	End	523
GI	none	Score	260
Exons	208..384, 210..401, 217..405, 470..523, 478..519		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o2.tc	Method	TBLASTX:Cress
Start	613	End	7210
GI	none	Score	122
Exons	613..714, 614..718, 614..715, 6793..7041, 6825..7046, 6826..7041, 6834..7043, 7135..7209, 7138..7197, 7145..7210		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o8.tm	Method	TBLASTX:Maize
Start	2159	End	2435
GI	none	Score	68
Exons	2159..2224, 2173..2223, 2273..2359, 2274..2435		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o4.tm	Method	TBLASTX:Maize
Start	2669	End	3377
GI	none	Score	233
Exons	2669..2902, 2670..2909, 2970..3089, 3029..3076, 3090..3137, 3115..3162, 3176..3370, 3177..3377		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o3.tw	Method	TBLASTX:Wheat
Start	3302	End	3755
GI	none	Score	324
Exons	3302..3529, 3303..3668, 3675..3755		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o7.tm	Method	TBLASTX:Maize
Start	3392	End	3635
GI	none	Score	293
Exons	3392..3631, 3393..3632, 3426..3635, 3427..3633		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o5.ts	Method	TBLASTX:Soybean

Start	3693	End	4019
GI	none	Score	210
Exons	3693..4019, 3789..3869		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o5.tw	Method	TBLASTX:Wheat
Start	3828	End	4378
GI	none	Score	173
Exons	3828..4091, 4127..4291, 4298..4378		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o2.tm	Method	TBLASTX:Maize
Start	4031	End	4456
GI	none	Score	106
Exons	4031..4105, 4035..4106, 4047..4112, 4106..4456, 4111..4455		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o3.ts	Method	TBLASTX:Soybean
Start	4062	End	4551
GI	none	Score	51
Exons	4062..4106, 4106..4369, 4111..4356, 4372..4551, 4394..4540		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o5.tc	Method	TBLASTX:Cress
Start	4106	End	4516
GI	none	Score	209
Exons	4106..4372, 4117..4158, 4228..4362, 4394..4516		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o2.ts	Method	TBLASTX:Soybean
Start	4928	End	5424
GI	5509260	Score	74
Exons	4928..5026, 5035..5424, 5250..5336		
GI Descrip.	-		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o6.tm	Method	TBLASTX:Maize
Start	4958	End	5274
GI	none	Score	73
Exons	4958..5026, 5029..5274, 5044..5262, 5178..5273		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o6.tc	Method	TBLASTX:Cress

Start	5050	End	5313
GI	none	Score	242
Exons	5050..5313		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o2.tw	Method	TBLASTX:Wheat
Start	5095	End	5649
GI	none	Score	313
Exons	5095..5439, 5250..5438, 5425..5649		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o3.tm	Method	TBLASTX:Maize
Start	5476	End	5867
GI	none	Score	546
Exons	5476..5865, 5476..5535, 5478..5867		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o4.ts	Method	TBLASTX:Soybean
Start	5575	End	5964
GI	none	Score	304
Exons	5575..5964, 5709..5954		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o6.tw	Method	TBLASTX:Wheat
Start	5659	End	5961
GI	none	Score	51
Exons	5659..5757, 5782..5961, 5791..5871, 5907..5960		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o3.tc	Method	TBLASTX:Cress
Start	5781	End	6472
GI	none	Score	231
Exons	5781..5960, 5782..6072, 5791..6048, 6110..6199, 6251..6472, 6271..6465		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o5.tm	Method	TBLASTX:Maize
Start	6055	End	6468
GI	none	Score	44
Exons	6055..6081, 6057..6113, 6059..6100, 6099..6389, 6110..6466, 6131..6388, 6142..6468		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853

Name	OJ000308_26.0403.C18.o6.ts	Method	TBLASTX:Soybean
Start	6110	End	6346
GI	none	Score	201
Exons	6110..6346, 6142..6342		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o1.tw	Method	TBLASTX:Wheat
Start	6939	End	7422
GI	none	Score	101
Exons	6939..7046, 6940..7041, 7135..7422, 7145..7420		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o2.gs	Method	GENSCAN
Start	7105	End	9853
GI	none	Score	.49
Exons	7105..7474, 7825..7937, 8953..9062, 9739..9853		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o1.tc	Method	TBLASTX:Cress
Start	8577	End	9064
GI	none	Score	185
Exons	8577..8873, 8577..8870, 8579..8872, 8950..9063, 8951..9064		

Seq. No.	39239	Seq. ID	OJ000308_26.0403.C19
Gene No.	80918	Strand	-
Start	1795	End	2121
Name	OJ000308_26.0403.C19.o1.gp	Method	AAT/GAP
Start	381	End	481
GI	90742_1.R1084	Score	103
Exons	381..481		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39239	Seq. ID	OJ000308_26.0403.C19
Gene No.	80918	Strand	-
Start	1795	End	2121
Name	OJ000308_26.0403.C19.o1.gs	Method	GENSCAN
Start	1795	End	2121
GI	none	Score	.49
Exons	1795..2121		

Seq. No.	39240	Seq. ID	OJ000308_26.0403.C20
Gene No.	80919	Strand	+
Start	1	End	1390
Name	OJ000308_26.0403.C20.o1.np	Method	AAT/NAP
Start	1	End	1390
GI	1402876	Score	479
Exons	1..599, 1314..1390		
GI Descrip.	(X98130) putative phosphate permease [Arabidopsis thaliana] gi|1495255|emb|CAA66116.1| (X97484) orf01 [Arabidopsis thaliana]		

```
Seq. No.     39240                         Seq. ID  OJ000308_26.0403.C20
Gene No.     80919                         Strand   +
Start        1                             End      1390
Name         OJ000308_26.0403.C20.o1.gs    Method   GENSCAN
Start        47                            End      592
GI           none                          Score    .63
Exons        47..592

Seq. No.     39240                         Seq. ID  OJ000308_26.0403.C20
Gene No.     80920                         Strand   -
Start        326                           End      595
Name         OJ000308_26.0403.C20.o1.tc    Method   TBLASTX:Cress
Start        179                           End      595
GI           none                          Score    457
Exons        179..595, 208..594

Seq. No.     39240                         Seq. ID  OJ000308_26.0403.C20
Gene No.     80920                         Strand   -
Start        326                           End      595
Name         OJ000308_26.0403.C20.o1.ts    Method   TBLASTX:Soybean
Start        179                           End      505
GI           none                          Score    315
Exons        179..472, 208..474, 473..505, 478..504

Seq. No.     39240                         Seq. ID  OJ000308_26.0403.C20
Gene No.     80920                         Strand   -
Start        326                           End      595
Name         OJ000308_26.0403.C20.o1.tm    Method   TBLASTX:Maize
Start        283                           End      595
GI           none                          Score    289
Exons        283..594, 283..594, 284..595

Seq. No.     39240                         Seq. ID  OJ000308_26.0403.C20
Gene No.     80920                         Strand   -
Start        326                           End      595
Name         OJ000308_26.0403.C20.o1.gp    Method   AAT/GAP
Start        326                           End      594
GI           701304                        Score    467
Exons        326..594
GI Descrip.  1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate
             permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_
             (X97484) orf01 [Arabidopsis thaliana]

Seq. No.     39241                         Seq. ID  OJ000308_26.0403.C21
Gene No.     80921                         Strand   +
Start        1                             End      335
Name         OJ000308_26.0403.C21.o1.np    Method   AAT/NAP
Start        1                             End      200
GI           1402876                       Score    246
Exons        1..200
GI Descrip.  (X98130) putative phosphate permease [Arabidopsis thaliana]
             gi|1495255|emb|CAA66116.1| (X97484) orf01 [Arabidopsis thaliana]

Seq. No.     39241                         Seq. ID  OJ000308_26.0403.C21
Gene No.     80921                         Strand   +
Start        1                             End      335
Name         OJ000308_26.0403.C21.o1.tc    Method   TBLASTX:Cress
```

Start	11	End	212
GI	none	Score	272
Exons	11..211, 11..136, 12..212, 15..74		

Seq. No.	39241	Seq. ID	OJ000308_26.0403.C21
Gene No.	80921	Strand	+
Start	1	End	335
Name	OJ000308_26.0403.C21.o1.ts	Method	TBLASTX:Soybean
Start	11	End	169
GI	none	Score	222
Exons	11..169, 12..167, 43..168		

Seq. No.	39241	Seq. ID	OJ000308_26.0403.C21
Gene No.	80921	Strand	+
Start	1	End	335
Name	OJ000308_26.0403.C21.o1.tm	Method	TBLASTX:Maize
Start	51	End	335
GI	none	Score	257
Exons	51..335, 53..283		

Seq. No.	39242	Seq. ID	OJ000308_26.0403.C22
Gene No.	80922	Strand	+
Start	676	End	788
Name	OJ000308_26.0403.C22.o1.gs	Method	GENSCAN
Start	676	End	788
GI	none	Score	.98
Exons	676..788		

Seq. No.	39243	Seq. ID	OJ000308_26.0403.C23
Gene No.	80923	Strand	+
Start	47	End	118
Name	OJ000308_26.0403.C23.o1.gs	Method	GENSCAN
Start	47	End	118
GI	none	Score	.6
Exons	47..118		

Seq. No.	39244	Seq. ID	OJ000308_26.0403.C24
Gene No.	80924	Strand	+
Start	922	End	2092
Name	OJ000308_26.0403.C24.o1.gs	Method	GENSCAN
Start	922	End	2092
GI	none	Score	.81
Exons	922..1165, 1956..2092		

Seq. No.	39244	Seq. ID	OJ000308_26.0403.C24
Gene No.	80925	Strand	-
Start	2740	End	2996
Name	OJ000308_26.0403.C24.o2.gs	Method	GENSCAN
Start	2740	End	2996
GI	none	Score	.93
Exons	2740..2748, 2934..2996		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80926	Strand	+
Start	132	End	3073
Name	OJ000308_26.0403.C25.o1.gs	Method	GENSCAN
Start	132	End	3073

GI	none	Score	.72
Exons	132..512, 826..946, 2024..2054, 2120..2202, 2290..2524, 2941..3073		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80926	Strand	+
Start	132	End	3073
Name	OJ000308_26.0403.C25.o1.gp	Method	AAT/GAP
Start	2335	End	2670
GI	427916	Score	506
Exons	2335..2670		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80927	Strand	+
Start	2975	End	3723
Name	OJ000308_26.0403.C25.o2.gp	Method	AAT/GAP
Start	2975	End	3282
GI	3759000	Score	504
Exons	2975..3282		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80927	Strand	+
Start	2975	End	3723
Name	OJ000308_26.0403.C25.o3.gp	Method	AAT/GAP
Start	2976	End	3723
GI	20494_1.R1084	Score	1292
Exons	2976..3723		
GI Descrip.	'5230728/gb|AAD40979.1|AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]'		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80928	Strand	+
Start	4002	End	4620
Name	OJ000308_26.0403.C25.o4.gp	Method	AAT/GAP
Start	4002	End	4620
GI	20494_3.R1084	Score	1032
Exons	4002..4620		
GI Descrip.	'1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]'		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80929	Strand	+
Start	5770	End	8380
Name	OJ000308_26.0403.C25.o2.gs	Method	GENSCAN
Start	5770	End	8380
GI	none	Score	.42
Exons	5770..5835, 6162..6296, 7958..8137, 8196..8380		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80930	Strand	-
Start	7856	End	8536
Name	OJ000308_26.0403.C25.o5.gp	Method	AAT/GAP
Start	7856	End	8525
GI	3763611	Score	1220
Exons	7856..8525		
GI Descrip.	2129698/pir||S61766 1.0e-11 protein kinase ATN1 (EC 2.7.1.-) -		

```
            Arabidopsis thaliana >gi_1054633_emb_CAA63387_ (X92728) protein
            kinase [Arabidopsis thaliana]

Seq. No.    39245                          Seq. ID  OJ000308_26.0403.C25
Gene No.    80930                          Strand   -
Start       7856                           End      8536
Name        OJ000308_26.0403.C25.o1.tm     Method   TBLASTX:Maize
Start       8054                           End      8536
GI          none                           Score    226
Exons       8054..8095, 8173..8337, 8186..8347, 8187..8348, 8188..8352,
            8306..8506, 8340..8510, 8351..8536

Seq. No.    39245                          Seq. ID  OJ000308_26.0403.C25
Gene No.    80930                          Strand   -
Start       7856                           End      8536
Name        OJ000308_26.0403.C25.o1.ts     Method   TBLASTX:Soybean
Start       8189                           End      8506
GI          none                           Score    269
Exons       8189..8506, 8190..8504

Seq. No.    39245                          Seq. ID  OJ000308_26.0403.C25
Gene No.    80930                          Strand   -
Start       7856                           End      8536
Name        OJ000308_26.0403.C25.o1.np     Method   AAT/NAP
Start       8201                           End      8536
GI          2129698                        Score    243
Exons       8201..8536
GI Descrip. protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana
            gi|1054633|emb|CAA63387| (X92728) protein kinase [Arabidopsis
            thaliana]

Seq. No.    39245                          Seq. ID  OJ000308_26.0403.C25
Gene No.    80930                          Strand   -
Start       7856                           End      8536
Name        OJ000308_26.0403.C25.o1.tc     Method   TBLASTX:Cress
Start       8270                           End      8506
GI          none                           Score    58
Exons       8270..8341, 8280..8330, 8345..8506, 8361..8504

Seq. No.    39246                          Seq. ID  OJ000308_11.0403.C1
Gene No.    80931                          Strand   +
Start       20678                          End      20998
Name        OJ000308_11.0403.C1.o3.gp      Method   AAT/GAP
Start       20678                          End      20998
GI          2798886                        Score    415
Exons       20678..20998
GI Descrip. 58067/emb|X52325|ARBLSKP 7.0e-38 pBluescript SK(+) vector DNA,
            phagemid excised from lambda ZAP

Seq. No.    39246                          Seq. ID  OJ000308_11.0403.C1
Gene No.    80932                          Strand   -
Start       1075                           End      1845
Name        OJ000308_11.0403.C1.o1.gp      Method   AAT/GAP
Start       1075                           End      1845
GI          4714864                        Score    1226
Exons       1075..1482, 1607..1845
GI Descrip. 3914470/sp|Q40070|PSBR_HORVU 3.0e-16 PHOTOSYSTEM II 10 KD
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          POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD
          PSII protein [Hordeum vulgare]

Seq. No.      39246                        Seq. ID   OJ000308_11.0403.C1
Gene No.      80933                        Strand    -
Start         1848                         End       2503
Name          OJ000308_11.0403.C1.o2.gp    Method    AAT/GAP
Start         1848                         End       2503
GI            4714863                      Score     1301
Exons         1848..2503
GI Descrip.   1321867/emb|X97771|HVPSII10K 5.0e-14 H.vulgare mRNA for PSII
              10kD protein

Seq. No.      39246                        Seq. ID   OJ000308_11.0403.C1
Gene No.      80934                        Strand    -
Start         20648                        End       20990
Name          OJ000308_11.0403.C1.o2.tc    Method    TBLASTX:Cress
Start         14151                        End       14600
GI            none                         Score     51
Exons         14151..14345, 14158..14346, 14385..14501, 14386..14445,
              14511..14600

Seq. No.      39246                        Seq. ID   OJ000308_11.0403.C1
Gene No.      80934                        Strand    -
Start         20648                        End       20990
Name          OJ000308_11.0403.C1.o1.ts    Method    TBLASTX:Soybean
Start         14178                        End       14774
GI            none                         Score     185
Exons         14178..14774, 14188..14586, 14647..14772

Seq. No.      39246                        Seq. ID   OJ000308_11.0403.C1
Gene No.      80934                        Strand    -
Start         20648                        End       20990
Name          OJ000308_11.0403.C1.o1.tm    Method    TBLASTX:Maize
Start         14184                        End       14608
GI            none                         Score     98
Exons         14184..14471, 14230..14469, 14472..14600, 14473..14607,
              14478..14606, 14489..14608

Seq. No.      39246                        Seq. ID   OJ000308_11.0403.C1
Gene No.      80934                        Strand    -
Start         20648                        End       20990
Name          OJ000308_11.0403.C1.o1.tw    Method    TBLASTX:Wheat
Start         14538                        End       14972
GI            none                         Score     45
Exons         14538..14972, 14539..14625, 14656..14970

Seq. No.      39246                        Seq. ID   OJ000308_11.0403.C1
Gene No.      80934                        Strand    -
Start         20648                        End       20990
Name          OJ000308_11.0403.C1.o2.tm    Method    TBLASTX:Maize
Start         14616                        End       14861
GI            none                         Score     116
Exons         14616..14861, 14647..14856

Seq. No.      39246                        Seq. ID   OJ000308_11.0403.C1
Gene No.      80934                        Strand    -
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Start	20648	End	20990
Name	OJ000308_11.0403.C1.o4.tm	Method	TBLASTX:Maize
Start	14910	End	15242
GI	none	Score	64
Exons	14910..14972, 14917..15150, 15036..15242, 15181..15216		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-
Start	20648	End	20990
Name	OJ000308_11.0403.C1.o3.ts	Method	TBLASTX:Soybean
Start	15054	End	15237
GI	none	Score	90
Exons	15054..15236, 15115..15237		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-
Start	20648	End	20990
Name	OJ000308_11.0403.C1.o4.gp	Method	AAT/GAP
Start	20648	End	20990
GI	3764108	Score	426
Exons	20648..20990		
GI Descrip.	1170621/sp|P46875|KATC_ARATH 2.0e-20 KINESIN-LIKE PROTEIN C >gi_1084342_pir__S48020 kinesin-related protein katC - Arabidopsis thaliana >gi_1438844_dbj_BAA04674_ (D21138) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o3.tw	Method	TBLASTX:Wheat
Start	22651	End	23096
GI	none	Score	207
Exons	22651..22944, 22707..22961, 22992..23096		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o2.ts	Method	TBLASTX:Soybean
Start	22819	End	23250
GI	none	Score	98
Exons	22819..22983, 22824..22946, 23010..23249, 23011..23250		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o1.tc	Method	TBLASTX:Cress
Start	22978	End	23331
GI	none	Score	274
Exons	22978..23331		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o3.tm	Method	TBLASTX:Maize
Start	23073	End	23310
GI	none	Score	77
Exons	23073..23294, 23100..23285, 23104..23310, 23104..23310		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o2.tw	Method	TBLASTX:Wheat
Start	23103	End	23361
GI	none	Score	286
Exons	23103..23351, 23104..23361		

Seq. No.	39247	Seq. ID	OJ000308_11.0403.C2
Gene No.	80936	Strand	
Start	2750	End	3111
Name	OJ000308_11.0403.C2.o1.tm	Method	TBLASTX:Maize
Start	2750	End	3111
GI	none	Score	49
Exons	2750..2875, 2796..2822, 2798..2893, 2848..2895, 2906..3094, 2994..3098, 3013..3111		

Seq. No.	39248	Seq. ID	OJ000308_11.0403.C3
Gene No.	80937	Strand	+
Start	9644	End	10010
Name	OJ000308_11.0403.C3.o2.gp	Method	AAT/GAP
Start	9644	End	9973
GI	LIB3477-009-P1-K1-H10	Score	255
Exons	9644..9679, 9726..9793, 9875..9973		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39248	Seq. ID	OJ000308_11.0403.C3
Gene No.	80937	Strand	+
Start	9644	End	10010
Name	OJ000308_11.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	9728	End	10010
GI	none	Score	121
Exons	9728..9796, 9730..9816, 9730..9798, 9859..9978, 9859..9975, 9873..10010		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80938	Strand	+
Start	2021	End	5975
Name	OJ000308_18.0407.C1.o1.gs	Method	GENSCAN
Start	2021	End	5975
GI	none	Score	.52
Exons	2021..2122, 2232..2400, 2597..2658, 3353..4150, 5025..5108, 5296..5559, 5802..5975		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80938	Strand	+
Start	2021	End	5975
Name	OJ000308_18.0407.C1.o1.gp	Method	AAT/GAP
Start	3461	End	3899
GI	LIB3474-003-P1-K1-B12	Score	878
Exons	3461..3899		
GI Descrip.	'4584356/gb|AAD25150.1|AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]'		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1

Gene No.	80939	Strand	+
Start	5952	End	6251
Name	OJ000308_18.0407.C1.o2.gp	Method	AAT/GAP
Start	5952	End	6251
GI	2798531	Score	576
Exons	5952..6251		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80940	Strand	+
Start	20890	End	23141
Name	OJ000308_18.0407.C1.o3.np	Method	AAT/NAP
Start	20890	End	23141
GI	6907088	Score	305
Exons	20890..21027, 21204..21349, 23096..23141		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80941	Strand	+
Start	24015	End	30667
Name	OJ000308_18.0407.C1.o5.gs	Method	GENSCAN
Start	24015	End	30667
GI	none	Score	.55
Exons	24015..24102, 25152..25212, 28734..28875, 29208..29328, 29561..29806, 30138..30667		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80942	Strand	-
Start	6698	End	11508
Name	OJ000308_18.0407.C1.o3.gp	Method	AAT/GAP
Start	6619	End	7051
GI	1632335	Score	832
Exons	6619..7051		
GI Descrip.	4584356/gb|AAD25150.1|AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80942	Strand	-
Start	6698	End	11508
Name	OJ000308_18.0407.C1.o2.gs	Method	GENSCAN
Start	6698	End	11508
GI	none	Score	.75
Exons	6698..8387, 9447..10079, 11462..11508		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80942	Strand	-
Start	6698	End	11508
Name	OJ000308_18.0407.C1.o1.np	Method	AAT/NAP
Start	6716	End	9724
GI	4584356	Score	1968
Exons	6716..8238, 8282..8387, 9447..9724		
GI Descrip.	(AC006420) putative replication protein A1 [Arabidopsis thaliana]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80942	Strand	-
Start	6698	End	11508
Name	OJ000308_18.0407.C1.o4.gp	Method	AAT/GAP

Start	8053	End	9571
GI	LIB3477-001-P1-K1-C7	Score	900
Exons	8053..8387, 9447..9571		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80943	Strand	-
Start	13844	End	15938
Name	OJ000308_18.0407.C1.o5.gp	Method	AAT/GAP
Start	13844	End	15938
GI	6573148	Score	3651
Exons	13844..14349, 14465..15427, 15524..15938		
GI Descrip.	4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80943	Strand	-
Start	13844	End	15938
Name	OJ000308_18.0407.C1.o2.np	Method	AAT/NAP
Start	14460	End	15746
GI	6573149	Score	2095
Exons	14460..15427, 15524..15746		
GI Descrip.	(AF201895) growth-regulating factor 1 [Oryza sativa]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80944	Strand	-
Start	20366	End	25101
Name	OJ000308_18.0407.C1.o4.np	Method	AAT/NAP
Start	20349	End	25101
GI	4680186	Score	323
Exons	20349..20367, 22079..22241, 22844..23000, 25082..25101		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80944	Strand	-
Start	20366	End	25101
Name	OJ000308_18.0407.C1.o4.gs	Method	GENSCAN
Start	20366	End	21348
GI	none	Score	.48
Exons	20366..20439, 20904..21012, 21298..21348		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80945	Strand	-
Start	31369	End	35204
Name	OJ000308_18.0407.C1.o6.gp	Method	AAT/GAP
Start	31369	End	34107
GI	3766626	Score	874
Exons	31369..31746, 33264..33380, 34053..34107		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80945	Strand	-
Start	31369	End	35204
Name	OJ000308_18.0407.C1.o6.gs	Method	GENSCAN
Start	33310	End	35204

GI	none	Score	.8
Exons	33310..33378, 34052..34117, 34281..34388, 35128..35204		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80945	Strand	-
Start	31369	End	35204
Name	OJ000308_18.0407.C1.o5.np	Method	AAT/NAP
Start	34016	End	34849
GI	4512703	Score	204
Exons	34016..34117, 34281..34388, 34715..34849		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o5.tm	Method	TBLASTX:Maize
Start	3452	End	3714
GI	none	Score	251
Exons	3452..3712, 3469..3552, 3517..3711, 3530..3712, 3538..3714		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o2.ts	Method	TBLASTX:Soybean
Start	3601	End	4081
GI	none	Score	130
Exons	3601..3771, 3604..3780, 3611..3811, 4028..4081		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o3.tm	Method	TBLASTX:Maize
Start	3917	End	4314
GI	none	Score	57
Exons	3917..3976, 3977..4135, 3992..4099, 4024..4131, 4041..4133, 4116..4304, 4129..4314, 4130..4306		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o2.tm	Method	TBLASTX:Maize
Start	7148	End	7492
GI	none	Score	53
Exons	7148..7207, 7149..7199, 7194..7490, 7196..7492, 7197..7490		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o1.tm	Method	TBLASTX:Maize
Start	7493	End	7976
GI	none	Score	85
Exons	7493..7564, 7494..7556, 7552..7974, 7553..7975, 7556..7975, 7557..7976		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205

Name	OJ000308_18.0407.C1.o1.ts	Method	TBLASTX:Soybean
Start	15249	End	15698
GI	none	Score	192
Exons	15249..15383, 15253..15384, 15384..15425, 15582..15698, 15625..15696		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o1.tc	Method	TBLASTX:Cress
Start	15250	End	15390
GI	none	Score	153
Exons	15250..15390, 15250..15351, 15252..15389		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o4.tm	Method	TBLASTX:Maize
Start	15252	End	15696
GI	none	Score	149
Exons	15252..15434, 15253..15390, 15552..15695, 15640..15696		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o6.tm	Method	TBLASTX:Maize
Start	34323	End	35205
GI	none	Score	80
Exons	34323..34412, 34324..34389, 34341..34391, 34710..34850, 34711..34806, 34714..34851, 34715..34849, 35125..35151, 35130..35150, 35133..35204, 35155..35205		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o7.gp	Method	AAT/GAP
Start	35133	End	35204
GI	28382_1.R1084	Score	117
Exons	35133..35204		
GI Descrip.	'4512703/gb|AAD21756.1| 5.0e-22 (AC006569) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39250	Seq. ID	OJ000308_18.0407.C3
Gene No.	80947	Strand	+
Start	483	End	1373
Name	OJ000308_18.0407.C3.o1.np	Method	AAT/NAP
Start	483	End	1373
GI	4733891	Score	99
Exons	483..606, 1313..1373		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	39250	Seq. ID	OJ000308_18.0407.C3
Gene No.	80948	Strand	-
Start	149	End	685
Name	OJ000308_18.0407.C3.o1.gs	Method	GENSCAN
Start	149	End	685
GI	none	Score	.63

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Exons         149..176, 555..685

Seq. No.      39251                         Seq. ID   OJ000308_18.0407.C4
Gene No.      80949                         Strand    +
Start         1                             End       3468
Name          OJ000308_18.0407.C4.o1.np     Method    AAT/NAP
Start         1                             End       3468
GI            7441407                       Score     438
Exons         1..55, 582..680, 971..1192, 1477..1616, 1745..1895, 2399..2569,
              2735..2778, 3383..3468
GI Descrip.   myosin heavy chain F4I10.130 - Arabidopsis thaliana

Seq. No.      39251                         Seq. ID   OJ000308_18.0407.C4
Gene No.      80949                         Strand    +
Start         1                             End       3468
Name          OJ000308_18.0407.C4.o1.gs     Method    GENSCAN
Start         582                           End       2818
GI            none                          Score     .91
Exons         582..680, 971..1192, 1477..1616, 1997..2096, 2195..2242,
              2399..2569, 2735..2818

Seq. No.      39251                         Seq. ID   OJ000308_18.0407.C4
Gene No.      80949                         Strand    +
Start         1                             End       3468
Name          OJ000308_18.0407.C4.o2.tm     Method    TBLASTX:Maize
Start         582                           End       1152
GI            none                          Score     67
Exons         582..623, 582..677, 583..678, 966..1151, 969..1145, 979..1152,
              988..1152

Seq. No.      39251                         Seq. ID   OJ000308_18.0407.C4
Gene No.      80949                         Strand    +
Start         1                             End       3468
Name          OJ000308_18.0407.C4.o1.tc     Method    TBLASTX:Cress
Start         1743                          End       2788
GI            none                          Score     75
Exons         1743..1817, 2395..2523, 2396..2572, 2636..2788

Seq. No.      39251                         Seq. ID   OJ000308_18.0407.C4
Gene No.      80949                         Strand    +
Start         1                             End       3468
Name          OJ000308_18.0407.C4.o1.ts     Method    TBLASTX:Soybean
Start         2153                          End       2545
GI            none                          Score     59
Exons         2153..2248, 2395..2535, 2396..2545

Seq. No.      39251                         Seq. ID   OJ000308_18.0407.C4
Gene No.      80949                         Strand    +
Start         1                             End       3468
Name          OJ000308_18.0407.C4.o1.tm     Method    TBLASTX:Maize
Start         2356                          End       2799
GI            none                          Score     232
Exons         2356..2580, 2402..2575, 2657..2797, 2671..2766, 2679..2798,
              2686..2799

Seq. No.      39252                         Seq. ID   OJ000308_18.0407.C5
Gene No.      80950                         Strand    +
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Start	1	End	1807
Name	OJ000308_18.0407.C5.o1.gp	Method	AAT/GAP
Start	1	End	613
GI	LIB3434-060-P1-K1-H5	Score	291
Exons	1..97, 501..613		
GI Descrip.	'3063460 1.0e-44 (AC003981) F22O13.22 [Arabidopsis thaliana]'		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80950	Strand	+
Start	1	End	1807
Name	OJ000308_18.0407.C5.o1.np	Method	AAT/NAP
Start	1	End	1615
GI	3776579	Score	401
Exons	1..97, 501..600, 820..876, 965..1021, 1115..1195, 1278..1360, 1495..1615		
GI Descrip.	(AC005388) Strong similarity to F22O13.22 gi|3063460 myosin homolog from A. thaliana BAC gb|AC003981. [Arabidopsis thaliana]		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80950	Strand	+
Start	1	End	1807
Name	OJ000308_18.0407.C5.o1.gs	Method	GENSCAN
Start	501	End	1807
GI	none	Score	.78
Exons	501..600, 965..1021, 1115..1195, 1721..1807		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80951	Strand	-
Start	1438	End	1919
Name	OJ000308_18.0407.C5.o2.gp	Method	AAT/GAP
Start	1438	End	1919
GI	5109_1.R1084	Score	684
Exons	1438..1919		
GI Descrip.	'5918016/emb|CAB36794.2| 3.0e-09 (AL035525) myosin-like protein [Arabidopsis thaliana]'		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80952	Strand	-
Start	2543	End	8239
Name	OJ000308_18.0407.C5.o2.gs	Method	GENSCAN
Start	2543	End	8239
GI	none	Score	.71
Exons	2543..2649, 3336..3397, 3932..4569, 5712..5848, 5944..6079, 6166..6615, 6827..6930, 8227..8239		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80952	Strand	-
Start	2543	End	8239
Name	OJ000308_18.0407.C5.o2.np	Method	AAT/NAP
Start	3858	End	6538
GI	4006829	Score	1008
Exons	3858..4569, 5712..5848, 5944..6079, 6166..6538		
GI Descrip.	(AC005970) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80952	Strand	-
Start	2543	End	8239

Name	OJ000308_18.0407.C5.o3.gp	Method	AAT/GAP
Start	4045	End	4573
GI	42449_1.R1084	Score	992
Exons	4045..4573		
GI Descrip.	'4006829/gb|AAC95171.1| 4.0e-50 (AC005970) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80952	Strand	-
Start	2543	End	8239
Name	OJ000308_18.0407.C5.o4.gp	Method	AAT/GAP
Start	7508	End	7754
GI	8022_1.R1084	Score	329
Exons	7508..7754		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o2.tc	Method	TBLASTX:Cress
Start	27	End	1355
GI	none	Score	79
Exons	27..95, 495..623, 498..596, 499..600, 693..740, 817..882, 819..881, 964..1023, 965..1024, 1118..1201, 1135..1200, 1275..1355		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o2.ts	Method	TBLASTX:Soybean
Start	492	End	1360
GI	none	Score	62
Exons	492..599, 498..548, 499..600, 797..880, 817..882, 822..881, 964..1020, 965..1021, 1118..1204, 1118..1204, 1275..1358, 1277..1360		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o3.tm	Method	TBLASTX:Maize
Start	855	End	1651
GI	none	Score	46
Exons	855..878, 855..881, 963..1019, 964..1020, 965..1021, 1095..1196, 1104..1181, 1115..1201, 1117..1197, 1118..1225, 1275..1358, 1275..1358, 1277..1372, 1277..1360, 1471..1644, 1493..1624, 1493..1651		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o1.ts	Method	TBLASTX:Soybean
Start	4093	End	6370
GI	none	Score	47
Exons	4093..4131, 4097..4132, 4150..4569, 4151..4345, 4411..4548, 4433..4570, 5710..5832, 5712..5840, 5943..6077, 5945..6076, 6166..6234, 6235..6369, 6236..6370		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o1.tm	Method	TBLASTX:Maize
Start	4144	End	4557
GI	none	Score	84
Exons	4144..4284, 4147..4557, 4433..4555		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o1.tc	Method	TBLASTX:Cress
Start	4150	End	6369
GI	none	Score	141
Exons	4150..4569, 4430..4567, 5712..5834, 5713..5829, 5943..6080, 5945..6079, 6166..6219, 6245..6355, 6256..6369		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o1.tw	Method	TBLASTX:Wheat
Start	4177	End	4572
GI	none	Score	174
Exons	4177..4572, 4433..4570		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o2.tm	Method	TBLASTX:Maize
Start	5688	End	6319
GI	none	Score	68
Exons	5688..5810, 5710..5835, 5712..5840, 5917..5985, 5936..6076, 5943..6080, 5945..6079, 6166..6285, 6166..6318, 6209..6319		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o2.tw	Method	TBLASTX:Wheat
Start	5739	End	6306
GI	none	Score	86
Exons	5739..5813, 5739..5849, 5740..5847, 5936..6055, 5937..6056, 6056..6079, 6166..6234, 6206..6229, 6235..6306, 6239..6304		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o4.gs	Method	GENSCAN
Start	15151	End	16986
GI	none	Score	.69
Exons	15151..15312, 15901..15991, 16589..16676, 16832..16986		

Seq. No.	39253	Seq. ID	OJ000308_18.0407.C6
Gene No.	80954	Strand	+
Start	218	End	1577
Name	OJ000308_18.0407.C6.o1.np	Method	AAT/NAP
Start	218	End	1526

GI	5777617	Score	94
Exons	218..239, 1389..1526		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39253	Seq. ID	OJ000308_18.0407.C6
Gene No.	80954	Strand	+
Start	218	End	1577
Name	OJ000308_18.0407.C6.o1.gs	Method	GENSCAN
Start	660	End	1577
GI	none	Score	.58
Exons	660..697, 1427..1577		

Seq. No.	39254	Seq. ID	OJ000308_18.0407.C7
Gene No.	80955	Strand	+
Start	317	End	996
Name	OJ000308_18.0407.C7.o1.gs	Method	GENSCAN
Start	317	End	996
GI	none	Score	.42
Exons	317..427, 665..996		

Seq. No.	39254	Seq. ID	OJ000308_18.0407.C7
Gene No.	80956	Strand	+
Start	2291	End	2686
Name	OJ000308_18.0407.C7.o1.gp	Method	AAT/GAP
Start	2291	End	2686
GI	uC-osrocyp016e08b1	Score	510
Exons	2291..2408, 2523..2686		
GI Descrip.	'2501011/sp|P73505|SYI_SYNY3 2.0e-15 ISOLEUCYL-TRNA SYNTHETASE (ISOLEUCINE--TRNA LIGASE) (ILERS) >gi_1652625_dbj_BAA17545_ (D90907) isoleucyl-tRNA synthetase [Synechocystis sp.]'		

Seq. No.	39254	Seq. ID	OJ000308_18.0407.C7
Gene No.	80957	Strand	-
Start	210	End	1802
Name	OJ000308_18.0407.C7.o1.np	Method	AAT/NAP
Start	210	End	1518
GI	5777617	Score	80
Exons	210..307, 1497..1518		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39254	Seq. ID	OJ000308_18.0407.C7
Gene No.	80957	Strand	-
Start	210	End	1802
Name	OJ000308_18.0407.C7.o2.gs	Method	GENSCAN
Start	1013	End	1802
GI	none	Score	.62
Exons	1013..1018, 1064..1392, 1458..1594, 1642..1802		

Seq. No.	39254	Seq. ID	OJ000308_18.0407.C7
Gene No.	80958	Strand	-
Start	2468	End	2659
Name	OJ000308_18.0407.C7.o1.tm	Method	TBLASTX:Maize
Start	1063	End	1374
GI	none	Score	40
Exons	1063..1125, 1066..1125, 1067..1126, 1124..1372, 1134..1373, 1139..1372, 1141..1374		

Seq. No.	39254	Seq. ID	OJ000308_18.0407.C7
Gene No.	80958	Strand	-
Start	2468	End	2659
Name	OJ000308_18.0407.C7.o3.gs	Method	GENSCAN
Start	2468	End	2659
GI	none	Score	.55
Exons	2468..2659		

Seq. No.	39255	Seq. ID	OJ000308_18.0407.C8
Gene No.	80959	Strand	-
Start	28	End	351
Name	OJ000308_18.0407.C8.o1.gs	Method	GENSCAN
Start	28	End	351
GI	none	Score	.42
Exons	28..351		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80960	Strand	+
Start	9596	End	21449
Name	OJ000308_18.0407.C9.o2.gs	Method	GENSCAN
Start	9596	End	21080
GI	none	Score	.64
Exons	9596..9938, 9940..10117, 10576..10742, 11979..12081, 14200..14405, 15031..15172, 15433..15504, 16509..16577, 16673..16744, 17343..17414, 17660..17731, 17972..18043, 18122..18193, 18340..18408, 18505..18576, 18846..18961, 19156..19521, 19774..20144, 20274..20297, 20712..21080		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80960	Strand	+
Start	9596	End	21449
Name	OJ000308_18.0407.C9.o1.np	Method	AAT/NAP
Start	14966	End	21077
GI	1345132	Score	2838
Exons	14966..15172, 15257..15328, 15433..15504, 15602..15673, 15763..15834, 15901..15972, 16191..16262, 16351..16422, 16509..16577, 16673..16744, 16858..16929, 17028..17099, 17187..17258, 17343..17414, 17489..17560, 17660..17731, 17813..17884, 17972..18043, 18122..18193, 18340..18408, 18505..18576, 18669..18742, 18833..18961, 19174..19521, 19774..20144, 20712..21077		
GI Descrip.	(U47029) ERECTA [Arabidopsis thaliana] gi|1389566|dbj|BAA11869| (D83257) receptor protein kinase [Arabidopsis thaliana] gi|3075386|gb|AAC14518.1| (AC004484) putative receptor-like protein kinase, ERECTA [Arabidopsis thaliana]		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80960	Strand	+
Start	9596	End	21449
Name	OJ000308_18.0407.C9.o2.gp	Method	AAT/GAP
Start	15037	End	15632
GI	27644_1.R1084	Score	532
Exons	15037..15172, 15257..15328, 15433..15504, 15602..15632		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9

Gene No.	80960	Strand	+
Start	9596	End	21449
Name	OJ000308_18.0407.C9.o3.gp	Method	AAT/GAP
Start	20979	End	21449
GI	2317638	Score	873
Exons	20979..21449		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80961	Strand	+
Start	22484	End	22837
Name	OJ000308_18.0407.C9.o3.gs	Method	GENSCAN
Start	22484	End	22837
GI	none	Score	.98
Exons	22484..22837		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80962	Strand	+
Start	26348	End	34022
Name	OJ000308_18.0407.C9.o5.gs	Method	GENSCAN
Start	26348	End	33921
GI	none	Score	.94
Exons	26348..26422, 27224..27394, 28114..28245, 29864..30013, 30350..30495, 30586..30742, 30885..30943, 31325..31481, 32091..32240, 32370..32506, 33167..33313, 33387..33488, 33864..33921		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80962	Strand	+
Start	26348	End	34022
Name	OJ000308_18.0407.C9.o2.np	Method	AAT/NAP
Start	28098	End	34022
GI	5918016	Score	1425
Exons	28098..28245, 29885..30013, 30350..30495, 30586..30742, 30885..30943, 31325..31481, 32091..32240, 32370..32506, 33167..33313, 33387..33488, 33864..34022		
GI Descrip.	(AL035525) myosin-like protein [Arabidopsis thaliana]		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80962	Strand	+
Start	26348	End	34022
Name	OJ000308_18.0407.C9.o4.gp	Method	AAT/GAP
Start	33403	End	33921
GI	2310513	Score	241
Exons	33403..33488, 33864..33921		
GI Descrip.	5918016/emb|CAB36794.2| 2.0e-53 (AL035525) myosin-like protein [Arabidopsis thaliana]		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80963	Strand	-
Start	757	End	2000
Name	OJ000308_18.0407.C9.o1.gp	Method	AAT/GAP
Start	757	End	2000
GI	5456486	Score	696
Exons	757..865, 1720..2000		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	

Start	14994	End	21080
Name	OJ000308_18.0407.C9.o1.tc	Method	TBLASTX:Cress
Start	14994	End	21080
GI	none	Score	103
Exons	14994..15092, 15117..15182, 15239..15328, 15258..15329, 15430..15486, 15434..15520, 15434..15505, 15434..15505, 15591..15659, 15602..15667, 15603..15674, 15603..15674, 15689..15844, 15758..15838, 15763..15867, 15767..15862, 15767..15826, 15901..15972, 15902..15973, 16191..16268, 16192..16260, 16352..16423, 16352..16432, 16352..16423, 16369..16422, 16509..16577, 16510..16635, 16510..16566, 16667..16741, 16668..16745, 16677..16775, 16858..16932, 16859..16930, 16859..16930, 16859..16912, 17028..17090, 17029..17100, 17032..17085, 17032..17100, 17032..17091, 17182..17259, 17187..17261, 17191..17250, 17191..17253, 17332..17415, 17332..17397, 17343..17420, 17490..17561, 17507..17560, 17649..17732, 17814..17861, 17991..18044, 18123..18194, 18341..18421, 18342..18401, 18505..18576, 18506..18580, 18667..18741, 18835..18960, 19170..19523, 19170..19520, 19187..19522, 19728..20147, 19781..20149, 19782..20093, 19859..20137, 20711..20860, 20712..20879, 20730..20888, 21009..21080		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o2.ts	Method	TBLASTX:Soybean
Start	15258	End	18580
GI	none	Score	47
Exons	15258..15320, 15434..15505, 15597..15674, 15603..15674, 15767..15826, 15767..15826, 16722..16745, 16858..16932, 16859..16930, 17028..17099, 17029..17100, 17032..17085, 17182..17259, 17187..17261, 17191..17283, 17332..17415, 17332..17415, 17343..17420, 17490..17561, 17507..17563, 17649..17753, 17651..17731, 17814..17864, 17991..18035, 17991..18044, 18123..18194, 18341..18427, 18506..18580		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o3.ts	Method	TBLASTX:Soybean
Start	15901	End	16578
GI	none	Score	118
Exons	15901..15972, 15902..15973, 16191..16268, 16192..16260, 16352..16423, 16369..16422, 16509..16574, 16510..16578		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o1.tm	Method	TBLASTX:Maize
Start	16474	End	18047
GI	none	Score	123
Exons	16474..16578, 16474..16575, 16482..16577, 16667..16738, 16667..16741, 16668..16745, 16858..16932, 16859..16930, 16861..16932, 17028..17096, 17028..17099, 17029..17100, 17032..17091, 17172..17255, 17182..17259, 17187..17261, 17332..17412, 17343..17414, 17490..17561, 17507..17578,		

17649..17729, 17660..17731, 17813..17899, 17814..17864, 17973..18047, 17991..18044

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o2.tm	Method	TBLASTX:Maize
Start	18063	End	20923
GI	none	Score	107
Exons	18063..18191, 18119..18199, 18123..18194, 18341..18409, 18341..18406, 18358..18414, 18505..18582, 18506..18580, 18663..18725, 18667..18732, 18838..18960, 18862..18960, 19169..19447, 19170..19448, 19434..19523, 19442..19522, 19456..19545, 19772..19807, 19773..20147, 19859..20143, 20711..20860, 20712..20891, 20733..20915, 20771..20923		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o1.ts	Method	TBLASTX:Soybean
Start	19169	End	20125
GI	none	Score	551
Exons	19169..19522, 19170..19523, 19170..19523, 19728..20123, 19779..20093, 19859..20125		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o1.tw	Method	TBLASTX:Wheat
Start	19794	End	20147
GI	none	Score	347
Exons	19794..20147, 19859..20131		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o4.ts	Method	TBLASTX:Soybean
Start	20711	End	20891
GI	none	Score	237
Exons	20711..20860, 20712..20891		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80965	Strand	
Start	29899	End	33921
Name	OJ000308_18.0407.C9.o2.tc	Method	TBLASTX:Cress
Start	29899	End	33921
GI	none	Score	127
Exons	29899..30012, 29903..30013, 30343..30495, 30350..30496, 30580..30699, 30584..30742, 30584..30736, 30884..30943, 30885..30941, 31319..31459, 31323..31475, 31330..31482, 32089..32178, 32091..32240, 32159..32236, 32367..32507, 32369..32509, 33162..33314, 33367..33486, 33390..33488, 33856..33921, 33861..33917		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80965	Strand	
Start	29899	End	33921

Name	OJ000308_18.0407.C9.o3.tm	Method	TBLASTX:Maize
Start	30885	End	31472
GI	none	Score	79
Exons	30885..30944, 31338..31472, 31340..31456		

Seq. No.	39257	Seq. ID	OJ000308_18.0407.C10
Gene No.	80966	Strand	+
Start	1	End	863
Name	OJ000308_18.0407.C10.o1.np	Method	AAT/NAP
Start	1	End	863
GI	5918016	Score	295
Exons	1..35, 87..217, 303..457, 837..863		
GI Descrip.	(AL035525) myosin-like protein [Arabidopsis thaliana]		

Seq. No.	39257	Seq. ID	OJ000308_18.0407.C10
Gene No.	80967	Strand	-
Start	325	End	770
Name	OJ000308_18.0407.C10.o1.tc	Method	TBLASTX:Cress
Start	87	End	558
GI	none	Score	156
Exons	87..215, 88..216, 281..424, 310..435, 407..457, 490..558		

Seq. No.	39257	Seq. ID	OJ000308_18.0407.C10
Gene No.	80967	Strand	-
Start	325	End	770
Name	OJ000308_18.0407.C10.o1.tm	Method	TBLASTX:Maize
Start	88	End	435
GI	none	Score	149
Exons	88..216, 156..215, 281..424, 283..435		

Seq. No.	39257	Seq. ID	OJ000308_18.0407.C10
Gene No.	80967	Strand	-
Start	325	End	770
Name	OJ000308_18.0407.C10.o1.gs	Method	GENSCAN
Start	325	End	770
GI	none	Score	.5
Exons	325..500, 666..770		

Seq. No.	39258	Seq. ID	OJ000308_18.0407.C11
Gene No.	80968	Strand	+
Start	58	End	662
Name	OJ000308_18.0407.C11.o1.gs	Method	GENSCAN
Start	58	End	662
GI	none	Score	.79
Exons	58..65, 257..662		

Seq. No.	39259	Seq. ID	OJ000228_07.0410.C1
Gene No.	80969	Strand	-
Start	32	End	715
Name	OJ000228_07.0410.C1.o1.np	Method	AAT/NAP
Start	32	End	715
GI	2126090	Score	1198
Exons	32..715		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli]		

gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2
[Arabidopsis thaliana]

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80970	Strand	+
Start	110	End	439
Name	OJ000228_07.0410.C4.o1.gs	Method	GENSCAN
Start	110	End	439
GI	none	Score	.9
Exons	110..439		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80971	Strand	+
Start	3584	End	5166
Name	OJ000228_07.0410.C4.o3.gs	Method	GENSCAN
Start	3584	End	5166
GI	none	Score	.44
Exons	3584..3654, 3807..3942, 4110..4137, 4186..4245, 4624..4750, 5043..5166		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80972	Strand	-
Start	1	End	1771
Name	OJ000228_07.0410.C4.o1.np	Method	AAT/NAP
Start	1	End	1771
GI	6729496	Score	224
Exons	1..232, 1640..1771		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80972	Strand	-
Start	1	End	1771
Name	OJ000228_07.0410.C4.o1.gp	Method	AAT/GAP
Start	67	End	595
GI	4715420	Score	1006
Exons	67..595		
GI Descrip.	4371280/gb|AAD18138| 3.0e-09 (AC006260) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80973	Strand	-
Start	1704	End	2833
Name	OJ000228_07.0410.C4.o2.gs	Method	GENSCAN
Start	1704	End	2833
GI	none	Score	.42
Exons	1704..1799, 2396..2535, 2618..2691, 2793..2833		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80974	Strand	-
Start	3154	End	4795
Name	OJ000228_07.0410.C4.o2.np	Method	AAT/NAP
Start	3154	End	4795
GI	7340860	Score	74
Exons	3154..3193, 4684..4795		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80975	Strand	-
Start	6195	End	8863
Name	OJ000228_07.0410.C4.o4.gs	Method	GENSCAN
Start	6195	End	8863
GI	none	Score	.64
Exons	6195..6209, 7303..7385, 8060..8241, 8793..8863		

Seq. No.	39261	Seq. ID	OJ000228_07.0410.C5
Gene No.	80976	Strand	-
Start	574	End	922
Name	OJ000228_07.0410.C5.o1.gs	Method	GENSCAN
Start	574	End	922
GI	none	Score	.87
Exons	574..922		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80977	Strand	+
Start	1247	End	1411
Name	OJ000228_07.0410.C6.o1.gs	Method	GENSCAN
Start	1247	End	1411
GI	none	Score	.49
Exons	1247..1411		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80978	Strand	+
Start	17598	End	18194
Name	OJ000228_07.0410.C6.o2.gp	Method	AAT/GAP
Start	17341	End	17452
GI	286549	Score	185
Exons	17341..17452		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80978	Strand	+
Start	17598	End	18194
Name	OJ000228_07.0410.C6.o4.gs	Method	GENSCAN
Start	17598	End	18194
GI	none	Score	.93
Exons	17598..17792, 17872..17948, 18053..18194		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80979	Strand	+
Start	18258	End	18693
Name	OJ000228_07.0410.C6.o3.gp	Method	AAT/GAP
Start	18258	End	18693
GI	none	Score	872
Exons	18258..18693		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80980	Strand	+
Start	25682	End	27245
Name	OJ000228_07.0410.C6.o4.np	Method	AAT/NAP
Start	25682	End	26904
GI	7459617	Score	842
Exons	25682..26331, 26654..26904		
GI Descrip.	hypothetical protein F16J13.180 - Arabidopsis thaliana gi|4586116|emb|CAB40952.1| (AL049638) putative C-4 sterol methyl		

oxidase [Arabidopsis thaliana] gi|7267912|emb|CAB78254.1| (AL161533) putative C-4 sterol methyl oxidase [Arabidopsis thaliana]

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80980	Strand	+
Start	25682	End	27245
Name	OJ000228_07.0410.C6.o6.gs	Method	GENSCAN
Start	25682	End	27245
GI	none	Score	.93
Exons	25682..26331, 26654..26801, 26920..26952, 27174..27245		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80981	Strand	+
Start	33390	End	34593
Name	OJ000228_07.0410.C6.o8.gp	Method	AAT/GAP
Start	33349	End	33729
GI	3762744	Score	708
Exons	33349..33729		
GI Descrip.	1362078/pir||S48102 2.0e-12 endo-1,4-beta-D-glucanase, xyloglucan-specific (clone NXG1) - common nasturtium >gi_311835_emb_CAA48324_ (X68254) cellulase [Tropaeolum majus]		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80981	Strand	+
Start	33390	End	34593
Name	OJ000228_07.0410.C6.o8.gs	Method	GENSCAN
Start	33390	End	34415
GI	none	Score	.97
Exons	33390..33740, 33834..34415		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80981	Strand	+
Start	33390	End	34593
Name	OJ000228_07.0410.C6.o6.np	Method	AAT/NAP
Start	33420	End	34418
GI	4883603	Score	911
Exons	33420..33740, 33834..34418		
GI Descrip.	(AC006922) putative xyloglucan endo-transglycosylase [Arabidopsis thaliana]		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80981	Strand	+
Start	33390	End	34593
Name	OJ000228_07.0410.C6.o9.gp	Method	AAT/GAP
Start	33945	End	34593
GI	84241_1.R1084	Score	1157
Exons	33945..34593		
GI Descrip.	'1362078/pir||S48102 2.0e-12 endo-1,4-beta-D-glucanase, xyloglucan-specific (clone NXG1) - common nasturtium >gi_311835_emb_CAA48324_ (X68254) cellulase [Tropaeolum majus]'		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80982	Strand	-
Start	863	End	3317
Name	OJ000228_07.0410.C6.o1.np	Method	AAT/NAP
Start	863	End	3317

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GI           6554477                            Score    349
Exons        863..936, 2439..2619, 2731..2993, 3101..3317
GI Descrip.  (AC012394) unknown protein [Arabidopsis thaliana]
             gi|6642661|gb|AAF20241.1|AC015450_2 (AC015450) unknown protein
             [Arabidopsis thaliana]

Seq. No.     39262                              Seq. ID  OJ000228_07.0410.C6
Gene No.     80982                              Strand   -
Start        863                                End      3317
Name         OJ000228_07.0410.C6.o2.gs          Method   GENSCAN
Start        2230                               End      3317
GI           none                               Score    .73
Exons        2230..2643, 2782..2993, 3101..3317

Seq. No.     39262                              Seq. ID  OJ000228_07.0410.C6
Gene No.     80983                              Strand   -
Start        4318                               End      17183
Name         OJ000228_07.0410.C6.o3.gs          Method   GENSCAN
Start        4318                               End      17183
GI           none                               Score    .4
Exons        4318..4377, 6670..6749, 7621..7788, 8340..8437, 8599..8677,
             10283..10378, 10837..10927, 12837..12917, 13014..13067,
             13161..13248, 13435..13550, 13648..13821, 15083..15203,
             15452..15633, 16410..16520, 16647..16718, 17073..17183

Seq. No.     39262                              Seq. ID  OJ000228_07.0410.C6
Gene No.     80983                              Strand   -
Start        4318                               End      17183
Name         OJ000228_07.0410.C6.o1.gp          Method   AAT/GAP
Start        12578                              End      15875
GI           309_1.R1084                        Score    2100
Exons        12578..12917, 13014..13067, 13161..13248, 13345..13508,
             13648..13821, 15083..15203, 15452..15633, 15709..15875
GI Descrip.  '1706551/sp|P52409|E13B_WHEAT 4.0e-15 GLUCAN
             ENDO-1,3-BETA-GLUCOSIDASE PRECURSOR ((1->3)-BETA-GLUCAN
             ENDOHYDROLASE) ((1->3)-BETA-GLUCANASE) (BETA-1,3-ENDOGLUCANASE)
             >gi_924953 (U30323) beta 1,3-glucanase [Triticum aestivum]'

Seq. No.     39262                              Seq. ID  OJ000228_07.0410.C6
Gene No.     80983                              Strand   -
Start        4318                               End      17183
Name         OJ000228_07.0410.C6.o2.np          Method   AAT/NAP
Start        12831                              End      15645
GI           231706                             Score    1288
Exons        12831..12917, 13014..13067, 13161..13248, 13345..13508,
             13648..13821, 15083..15203, 15452..15645
GI Descrip.  CELL DIVISION CONTROL PROTEIN 2 HOMOLOG 1 gi|100667|pir||S22440
             protein kinase (EC 2.7.1.37) cdc2 homolog 1 - rice
             gi|20343|emb|CAA42922| (X60374) Rcdc2-1 [Oryza sativa]
             gi|228924|prf||1814443A cdc2 protein:ISOTYPE=cdc2Os-1 [Oryza
             sativa]

Seq. No.     39262                              Seq. ID  OJ000228_07.0410.C6
Gene No.     80984                              Strand   -
Start        18550                              End      23110
Name         OJ000228_07.0410.C6.o3.np          Method   AAT/NAP
Start        18538                              End      23110
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GI	6729005	Score	1350
Exons	18538..18772, 18861..19033, 19128..19259, 19356..19569, 19662..19849, 19952..20146, 20348..20499, 23078..23110		
GI Descrip.	(AC016827) putative DEAD/DEAH box helicase [Arabidopsis thaliana]		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80984	Strand	-
Start	18550	End	23110
Name	OJ000228_07.0410.C6.o5.gs	Method	GENSCAN
Start	18550	End	21746
GI	none	Score	.72
Exons	18550..18772, 18861..19033, 19128..19259, 19356..19569, 19662..19849, 19952..20146, 20348..20835, 21137..21746		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80984	Strand	-
Start	18550	End	23110
Name	OJ000228_07.0410.C6.o4.gp	Method	AAT/GAP
Start	19118	End	20045
GI	13147_1.R1084	Score	1133
Exons	19118..19259, 19356..19569, 19662..19849, 19952..20045		
GI Descrip.	'4538903/emb|CAB39640.1| 2.0e-10 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80984	Strand	-
Start	18550	End	23110
Name	OJ000228_07.0410.C6.o5.gp	Method	AAT/GAP
Start	20656	End	21462
GI	none	Score	866
Exons	20656..20835, 21137..21462		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80985	Strand	-
Start	27762	End	29644
Name	OJ000228_07.0410.C6.o7.gs	Method	GENSCAN
Start	27762	End	29581
GI	none	Score	.87
Exons	27762..27786, 28048..28127, 28257..28451, 28544..28665, 29119..29221, 29304..29416, 29470..29581		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80985	Strand	-
Start	27762	End	29644
Name	OJ000228_07.0410.C6.o5.np	Method	AAT/NAP
Start	28044	End	29575
GI	7296875	Score	316
Exons	28044..28163, 28311..28451, 28544..28665, 29119..29221, 29304..29380, 29470..29575		
GI Descrip.	(AE003606) CG9779 gene product [Drosophila melanogaster]		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80985	Strand	-
Start	27762	End	29644
Name	OJ000228_07.0410.C6.o6.gp	Method	AAT/GAP
Start	28596	End	29644

GI	LIB3434-065-P1-K1-G10	Score	745
Exons	28596..28665, 29119..29221, 29304..29380, 29470..29644		
GI Descrip.	'4929767/gb|AAD34144.1|AF151907_1 2.0e-18 (AF151907) CGI-149 protein [Homo sapiens]'		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o4.tc	Method	TBLASTX:Cress
Start	2762	End	3254
GI	none	Score	121
Exons	2762..2899, 2764..2991, 2921..2980, 3099..3158, 3186..3254		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o3.tw	Method	TBLASTX:Wheat
Start	2764	End	2980
GI	none	Score	93
Exons	2764..2844, 2765..2854, 2768..2848, 2850..2894, 2860..2979, 2867..2980		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o5.tm	Method	TBLASTX:Maize
Start	2764	End	3255
GI	none	Score	85
Exons	2764..2850, 2771..2851, 2863..2988, 2870..2989, 3102..3146, 3103..3141, 3186..3254, 3208..3255		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o5.ts	Method	TBLASTX:Soybean
Start	2764	End	3272
GI	none	Score	86
Exons	2764..2853, 2765..2854, 2831..2968, 2860..2994, 2861..2995, 3102..3149, 3103..3141, 3186..3272, 3208..3252		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	12695	End	13215
GI	none	Score	38
Exons	12695..12715, 12699..12740, 12706..12738, 12825..12917, 12826..12915, 12828..12917, 13009..13068, 13011..13070, 13014..13073, 13161..13214, 13165..13215		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o4.tm	Method	TBLASTX:Maize
Start	12759	End	13720
GI	none	Score	37
Exons	12759..12833, 12840..12917, 12841..12915, 13009..13089,		

13014..13064, 13170..13250, 13171..13254, 13344..13511, 13375..13509, 13634..13720, 13642..13719

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o3.ts	Method	TBLASTX:Soybean
Start	12834	End	15628
GI	none	Score	79
Exons	12834..12914, 12847..12903, 13009..13068, 13014..13064, 13143..13250, 13150..13251, 13341..13511, 13344..13511, 13345..13518, 13642..13818, 13643..13807, 13645..13815, 15080..15205, 15080..15205, 15096..15206, 15449..15628, 15454..15624, 15458..15628		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o3.tc	Method	TBLASTX:Cress
Start	12843	End	15628
GI	none	Score	88
Exons	12843..12917, 12844..12915, 13009..13068, 13014..13064, 13167..13250, 13171..13254, 13344..13511, 13345..13518, 13375..13509, 13634..13819, 13634..13738, 13642..13824, 15083..15205, 15111..15230, 15449..15628, 15449..15622, 15454..15624		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o5.tw	Method	TBLASTX:Wheat
Start	13344	End	13511
GI	none	Score	75
Exons	13344..13511, 13381..13509		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o4.tw	Method	TBLASTX:Wheat
Start	13651	End	15562
GI	none	Score	59
Exons	13651..13815, 13670..13798, 15125..15166, 15478..15558, 15485..15562		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o7.tm	Method	TBLASTX:Maize
Start	15083	End	15722
GI	none	Score	174
Exons	15083..15202, 15084..15203, 15085..15207, 15441..15467, 15443..15628, 15454..15624, 15609..15722		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o1.tm	Method	TBLASTX:Maize

Start	18550	End	20659
GI	none	Score	359
Exons	18550..18774, 18551..18775, 18860..19036, 18860..19033, 18940..19035, 19125..19262, 19128..19262, 19129..19266, 19353..19571, 19353..19577, 19614..19856, 19656..19853, 19663..19857, 19664..19861, 19928..20119, 19929..20126, 19950..20099, 20112..20147, 20114..20149, 20346..20444, 20347..20442, 20348..20470, 20358..20465, 20450..20659, 20454..20603, 20455..20634		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o6.tc	Method	TBLASTX:Cress
Start	18559	End	18774
GI	none	Score	142
Exons	18559..18717, 18560..18718, 18706..18774		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o4.ts	Method	TBLASTX:Soybean
Start	18860	End	19430
GI	none	Score	71
Exons	18860..18886, 18908..19033, 18948..19031, 19125..19262, 19129..19260, 19131..19262, 19353..19430, 19363..19428		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o7.ts	Method	TBLASTX:Soybean
Start	19431	End	19765
GI	none	Score	84
Exons	19431..19577, 19662..19730, 19664..19765		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o7.tc	Method	TBLASTX:Cress
Start	19929	End	20167
GI	none	Score	162
Exons	19929..20150, 19934..20167, 19955..20158		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o2.tc	Method	TBLASTX:Cress
Start	25682	End	26311
GI	none	Score	105
Exons	25682..25807, 25904..26311, 25996..26310		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o3.tm	Method	TBLASTX:Maize
Start	25682	End	26955
GI	none	Score	118

Exons	25682..25807, 25904..26335, 25972..26331, 26213..26341, 26624..26800, 26643..26801, 26674..26808, 26917..26955		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	25931	End	26768
GI	none	Score	492
Exons	25931..26335, 25972..26337, 26643..26768, 26675..26767		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o2.tw	Method	TBLASTX:Wheat
Start	26173	End	27240
GI	none	Score	210
Exons	26173..26334, 26174..26341, 26648..26800, 26649..26801, 26680..26808, 26908..26946, 26917..26964, 27166..27240, 27166..27222, 27171..27236		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o8.tm	Method	TBLASTX:Maize
Start	27912	End	28565
GI	none	Score	36
Exons	27912..27944, 28020..28085, 28038..28094, 28104..28151, 28243..28467, 28252..28356, 28257..28427, 28400..28453, 28529..28564, 28542..28565		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o5.tc	Method	TBLASTX:Cress
Start	28287	End	29372
GI	none	Score	95
Exons	28287..28427, 28291..28467, 28529..28651, 28529..28666, 28533..28667, 28533..28691, 29112..29222, 29120..29224, 29304..29372		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o6.ts	Method	TBLASTX:Soybean
Start	28581	End	29596
GI	none	Score	100
Exons	28581..28667, 28583..28666, 29112..29234, 29120..29236, 29304..29381, 29308..29388, 29471..29596		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o6.tm	Method	TBLASTX:Maize
Start	29112	End	29581
GI	none	Score	114
Exons	29112..29234, 29120..29236, 29304..29381, 29308..29388,		

29471..29581

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	33483	End	34412
GI	none	Score	99
Exons	33483..33593, 33585..33743, 33599..33739, 33834..34304, 33914..34039, 34103..34312, 34299..34412, 34301..34378		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	33483	End	34412
GI	none	Score	118
Exons	33483..33593, 33500..33589, 33585..33743, 33599..33739, 33834..34304, 33914..34039, 34103..34312, 34299..34412, 34301..34378		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	33500	End	34415
GI	none	Score	95
Exons	33500..33523, 33501..33614, 33600..33743, 33638..33739, 33834..34328, 33923..34327, 34307..34414, 34308..34415		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o9.gs	Method	GENSCAN
Start	34886	End	35265
GI	none	Score	.71
Exons	34886..34901, 35047..35265		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o9.tm	Method	TBLASTX:Maize
Start	34960	End	35196
GI	none	Score	239
Exons	34960..35196, 34968..35195		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80987	Strand	+
Start	7113	End	8549
Name	OJ000228_07.0410.C7.o2.gp	Method	AAT/GAP
Start	7113	End	8549
GI	15145_1.R1084	Score	566
Exons	7113..7243, 7325..7463, 8499..8549		
GI Descrip.	'4063747 3.0e-30 (AC005851) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7

Gene No.	80987	Strand	+
Start	7113	End	8549
Name	OJ000228_07.0410.C7.o3.np	Method	AAT/NAP
Start	7155	End	8549
GI	7378629	Score	240
Exons	7155..7243, 7325..7463, 8499..8549		
GI Descrip.	(AL162751) putative protein [Arabidopsis thaliana]		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.np	Method	AAT/NAP
Start	1	End	2383
GI	7378628	Score	133
Exons	1..48, 80..261, 346..405, 718..757, 837..970, 1075..1185, 2326..2383		
GI Descrip.	(AL162751) putative protein [Arabidopsis thaliana]		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o2.np	Method	AAT/NAP
Start	1	End	8549
GI	7378628	Score	221
Exons	1..48, 80..261, 346..405, 718..757, 837..970, 1075..1185, 1817..2103, 2629..2696, 6024..6097, 6401..6497, 8503..8549		
GI Descrip.	(AL162751) putative protein [Arabidopsis thaliana]		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.gs	Method	GENSCAN
Start	80	End	7508
GI	none	Score	.89
Exons	80..261, 1075..1185, 2136..2189, 2605..2694, 3185..3304, 5606..5716, 5832..5979, 6010..6097, 6378..6662, 7142..7508		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	90	End	278
GI	none	Score	38
Exons	90..158, 100..267, 101..268, 177..278		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.gp	Method	AAT/GAP
Start	827	End	1185
GI	none	Score	397
Exons	827..970, 1075..1185		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.tc	Method	TBLASTX:Cress

Start	7140	End	8546
GI	none	Score	95
Exons	7140..7244, 7157..7243, 7322..7465, 7323..7466, 8460..8546		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	7161	End	7466
GI	none	Score	83
Exons	7161..7244, 7193..7243, 7322..7465, 7323..7466		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	7161	End	8546
GI	none	Score	49
Exons	7161..7205, 7215..7244, 7322..7465, 7323..7466, 8469..8546		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80989	Strand	+
Start	1	End	54
Name	OJ000228_07.0410.C8.o1.gp	Method	AAT/GAP
Start	1	End	54
GI	15145_1.R1084	Score	108
Exons	1..54		
GI Descrip.	'4063747 3.0e-30 (AC005851) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80990	Strand	+
Start	702	End	1264
Name	OJ000228_07.0410.C8.o1.gs	Method	GENSCAN
Start	702	End	1264
GI	none	Score	.77
Exons	702..830, 1092..1264		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80991	Strand	+
Start	6593	End	10225
Name	OJ000228_07.0410.C8.o3.gp	Method	AAT/GAP
Start	6593	End	7369
GI	2280809	Score	638
Exons	6593..6702, 6816..6870, 6976..7020, 7183..7369		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80991	Strand	+
Start	6593	End	10225
Name	OJ000228_07.0410.C8.o2.np	Method	AAT/NAP
Start	6677	End	10059
GI	4678947	Score	528
Exons	6677..6812, 7172..7285, 8022..8098, 8187..8263, 8730..8810, 9143..9275, 9705..9764, 9999..10059		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8

Gene No.	80991	Strand	+
Start	6593	End	10225
Name	OJ000228_07.0410.C8.o4.gp	Method	AAT/GAP
Start	8751	End	10225
GI	3080_2.R1084	Score	620
Exons	8751..8810, 9143..9275, 9705..9764, 9999..10055, 10174..10225		
GI Descrip.	'4371280/gb|AAD18138| 3.0e-09 (AC006260) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80992	Strand	-
Start	1691	End	5244
Name	OJ000228_07.0410.C8.o2.gs	Method	GENSCAN
Start	1691	End	3928
GI	none	Score	.49
Exons	1691..2159, 2574..2818, 3335..3928		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80992	Strand	-
Start	1691	End	5244
Name	OJ000228_07.0410.C8.o1.np	Method	AAT/NAP
Start	1700	End	5244
GI	4063747	Score	1059
Exons	1700..2159, 2574..2818, 3360..3703, 5189..5244		
GI Descrip.	(AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80992	Strand	-
Start	1691	End	5244
Name	OJ000228_07.0410.C8.o2.gp	Method	AAT/GAP
Start	1952	End	2749
GI	3766740	Score	726
Exons	1952..2159, 2574..2749		
GI Descrip.	4063747 3.0e-30 (AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	1718	End	2137
GI	none	Score	297
Exons	1718..2137, 1758..2078		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	1745	End	2066
GI	none	Score	140
Exons	1745..2065, 1884..2066		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	1955	End	2739

GI	none	Score	162
Exons	1955..2167, 1959..2078, 1959..2168, 1961..2155, 2136..2165, 2559..2657, 2569..2727, 2572..2727, 2574..2738, 2713..2739		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o3.ts	Method	TBLASTX:Soybean
Start	2717	End	3709
GI	none	Score	55
Exons	2717..2788, 2792..2818, 3360..3398, 3367..3399, 3401..3655, 3402..3437, 3498..3554, 3683..3709		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o3.gs	Method	GENSCAN
Start	5554	End	8451
GI	none	Score	.76
Exons	5554..5630, 6135..6314, 6585..6916, 7162..7273, 8386..8451		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o2.tm	Method	TBLASTX:Maize
Start	6670	End	10291
GI	none	Score	62
Exons	6670..6702, 6670..6702, 6791..6874, 6813..6881, 6814..6870, 6977..7021, 6978..7031, 6979..7032, 7158..7193, 7173..7283, 7173..7283, 7240..7284, 8023..8097, 8024..8098, 8024..8098, 8163..8267, 8181..8267, 8185..8268, 8185..8271, 8719..8811, 8729..8809, 8730..8810, 9137..9271, 9141..9284, 9141..9275, 9700..9762, 9704..9763, 9705..9764, 9990..10061, 9995..10054, 10119..10265, 10173..10250, 10174..10269, 10174..10290, 10175..10291		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	7161	End	9251
GI	none	Score	140
Exons	7161..7283, 8020..8097, 8021..8098, 8030..8110, 8181..8267, 8183..8266, 8196..8267, 8731..8811, 9137..9235, 9141..9230, 9144..9251		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o2.ts	Method	TBLASTX:Soybean
Start	7194	End	10274
GI	none	Score	62
Exons	7194..7283, 7240..7284, 8020..8097, 8021..8098, 8021..8110, 8181..8267, 8183..8266, 8719..8811, 8730..8810, 9137..9271, 9141..9284, 9705..9764, 9990..10061, 9993..10055, 10174..10269, 10174..10272, 10176..10274		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80994	Strand	+
Start	77	End	1004
Name	OJ000228_07.0410.C9.o1.gs	Method	GENSCAN
Start	77	End	494
GI	none	Score	.68
Exons	77..283, 366..494		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80994	Strand	+
Start	77	End	1004
Name	OJ000228_07.0410.C9.o1.gp	Method	AAT/GAP
Start	176	End	1004
GI	3080_1.R1084	Score	1429
Exons	176..283, 366..1004		
GI Descrip.	'4063747 3.0e-30 (AC005851) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o2.tm	Method	TBLASTX:Maize
Start	154	End	488
GI	none	Score	180
Exons	154..285, 176..289, 315..488, 345..488		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o2.ts	Method	TBLASTX:Soybean
Start	175	End	473
GI	none	Score	148
Exons	175..273, 176..286, 375..473		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o2.gp	Method	AAT/GAP
Start	1462	End	2143
GI	172_1.R1084	Score	1336
Exons	1462..2143		
GI Descrip.	'1841320/dbj|BAA10903| 6.0e-44 (D64038) EL2 [Oryza sativa]'		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o2.gs	Method	GENSCAN
Start	1765	End	13744
GI	none	Score	.57
Exons	1765..2094, 2298..2328, 2708..2777, 3662..3774, 4837..5086, 5262..5443, 5520..5743, 6291..6541, 6577..6739, 6745..6789, 6906..6986, 7871..8050, 8056..8116, 11918..12345, 12694..12747, 12884..12908, 12925..12982, 13381..13744		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796

Name	OJ000228_07.0410.C9.o3.gp	Method	AAT/GAP
Start	4624	End	5356
GI	none	Score	1113
Exons	4624..5086, 5233..5356		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	4907	End	5805
GI	none	Score	177
Exons	4907..5080, 4916..5092, 5231..5443, 5233..5445, 5234..5473, 5519..5635, 5526..5612, 5639..5797, 5661..5792, 5662..5805		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	5371	End	5773
GI	none	Score	65
Exons	5371..5445, 5372..5452, 5519..5629, 5541..5606, 5675..5773, 5679..5771		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o4.gp	Method	AAT/GAP
Start	5820	End	6232
GI	uC-osflcyp031a06b1	Score	477
Exons	5820..5850, 5957..6232		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-15 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o5.gp	Method	AAT/GAP
Start	6234	End	6758
GI	none	Score	1030
Exons	6234..6758		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o2.tw	Method	TBLASTX:Wheat
Start	11590	End	11979
GI	none	Score	57
Exons	11590..11787, 11827..11979, 11878..11976		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o3.tm	Method	TBLASTX:Maize
Start	11593	End	12129
GI	none	Score	81
Exons	11593..11778, 11800..12030, 11830..12030, 11831..12031, 12043..12129		

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	13550	End	13796
GI	none	Score	62
Exons	13550..13795, 13551..13643, 13563..13796, 13613..13795		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80996	Strand	+
Start	298	End	1489
Name	OJ000228_07.0410.C10.o1.gs	Method	GENSCAN
Start	298	End	1489
GI	none	Score	.68
Exons	298..389, 916..1064, 1278..1489		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80997	Strand	-
Start	1	End	284
Name	OJ000228_07.0410.C10.o1.np	Method	AAT/NAP
Start	1	End	284
GI	5257261	Score	104
Exons	1..33, 144..284		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o4.np	Method	AAT/NAP
Start	631	End	5770
GI	4510421	Score	102
Exons	631..670, 4755..4873, 5667..5770		
GI Descrip.	(AC006929) unknown protein [Arabidopsis thaliana]		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o2.np	Method	AAT/NAP
Start	1895	End	2105
GI	6069646	Score	153
Exons	1895..2105		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39266	Seq. ID	OJ000228_0[illegible]10.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o2.gs	Method	GENSCAN
Start	1911	End	5357
GI	none	Score	.73
Exons	1911..2160, 3044..3143, 3231..3399, 3521..3827, 3920..4465, 4755..4873, 5250..5357		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o1.ts	Method	TBLASTX:Soybean
Start	2794	End	3568
GI	none	Score	97
Exons	2794..2949, 2831..2950, 3041..3127, 3043..3126, 3245..3400, 3247..3399, 3518..3568		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o1.tc	Method	TBLASTX:Cress
Start	2824	End	3426
GI	none	Score	115
Exons	2824..2949, 2837..2950, 3028..3117, 3029..3118, 3223..3426, 3236..3400		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	2902	End	3402
GI	none	Score	78
Exons	2902..2949, 2903..2950, 3043..3132, 3056..3130, 3245..3400, 3250..3402		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o3.np	Method	AAT/NAP
Start	3043	End	5765
GI	7406450	Score	450
Exons	3043..3143, 3243..3399, 3503..3827, 3920..4498, 4745..4873, 5667..5765		
GI Descrip.	(AL162875) putative protein [Arabidopsis thaliana]		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	80999	Strand	+
Start	615	End	1321
Name	OJ000228_07.0410.C11.o1.gs	Method	GENSCAN
Start	615	End	1321
GI	none	Score	.87
Exons	615..661, 776..908, 1006..1176, 1301..1321		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	81000	Strand	-
Start	2131	End	3392
Name	OJ000228_07.0410.C11.o1.gp	Method	AAT/GAP
Start	1677	End	3365
GI	none	Score	1763
Exons	1677..1868, 2085..2332, 2762..2880, 2974..3365		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	81000	Strand	-
Start	2131	End	3392
Name	OJ000228_07.0410.C11.o2.gs	Method	GENSCAN

Start	2131	End	3390
GI	none	Score	.98
Exons	2131..2332, 2762..2880, 2974..3390		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	81000	Strand	-
Start	2131	End	3392
Name	OJ000228_07.0410.C11.o1.ts	Method	TBLASTX:Soybean
Start	2142	End	3219
GI	none	Score	206
Exons	2142..2333, 2143..2337, 2149..2334, 2763..2825, 2764..2835, 2958..3218, 2972..2992, 3007..3219, 3007..3219		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	81000	Strand	-
Start	2131	End	3392
Name	OJ000228_07.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	2143	End	3392
GI	none	Score	206
Exons	2143..2337, 2147..2272, 2149..2334, 2763..2825, 2764..2859, 2971..3018, 2972..2992, 3007..3303, 3007..3390, 3033..3392		

Seq. No.	39268	Seq. ID	OJ000228_07.0410.C12
Gene No.	81001	Strand	-
Start	24	End	717
Name	OJ000228_07.0410.C12.o1.gs	Method	GENSCAN
Start	24	End	641
GI	none	Score	.84
Exons	24..641		

Seq. No.	39268	Seq. ID	OJ000228_07.0410.C12
Gene No.	81001	Strand	-
Start	24	End	717
Name	OJ000228_07.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	216	End	717
GI	none	Score	262
Exons	216..344, 219..509, 219..581, 221..583, 528..716, 591..716, 631..717		

Seq. No.	39269	Seq. ID	OJ000228_07.0410.C13
Gene No.	81002	Strand	+
Start	882	End	3754
Name	OJ000228_07.0410.C13.o1.gs	Method	GENSCAN
Start	882	End	3754
GI	none	Score	.66
Exons	882..1044, 1176..1382, 2283..2306, 2384..2530, 2836..2886, 2938..2984, 3647..3754		

Seq. No.	39269	Seq. ID	OJ000228_07.0410.C13
Gene No.	81003	Strand	-
Start	2130	End	2281
Name	OJ000228_07.0410.C13.o2.gp	Method	AAT/GAP
Start	2130	End	2281
GI	2800454	Score	251
Exons	2130..2281		

Seq. No.	39269	Seq. ID	OJ000228_07.0410.C13

Gene No.	81004	Strand	
Start	2382	End	2828
Name	OJ000228_07.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	2382	End	2828
GI	none	Score	192
Exons	2382..2552, 2383..2547, 2719..2826, 2731..2826, 2751..2828		

Seq. No.	39269	Seq. ID	OJ000228_07.0410.C13
Gene No.	81005	Strand	
Start	3581	End	3761
Name	OJ000228_07.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	3581	End	3761
GI	none	Score	215
Exons	3581..3757, 3584..3757, 3591..3761		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.gp	Method	AAT/GAP
Start	3675	End	4769
GI	2595_4.R1084	Score	1916
Exons	3675..4246, 4342..4769		
GI Descrip.	'3258575 7.0e-10 (U89959) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o3.tm	Method	TBLASTX:Maize
Start	3848	End	4226
GI	none	Score	124
Exons	3848..3886, 3981..4079, 3982..4074, 4083..4226, 4093..4224		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.gs	Method	GENSCAN
Start	3946	End	5425
GI	none	Score	.86
Exons	3946..4226, 4342..5425		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.tw	Method	TBLASTX:Wheat
Start	3978	End	4182
GI	none	Score	253
Exons	3978..4181, 3982..4182		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.np	Method	AAT/NAP
Start	3987	End	5488
GI	3258575	Score	1256
Exons	3987..4246, 4342..5488		
GI Descrip.	(U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o3.ts	Method	TBLASTX:Soybean
Start	4044	End	4248
GI	none	Score	137
Exons	4044..4247, 4054..4248		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.ts	Method	TBLASTX:Soybean
Start	4419	End	4669
GI	none	Score	156
Exons	4419..4619, 4421..4669		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o4.tm	Method	TBLASTX:Maize
Start	4421	End	4658
GI	none	Score	162
Exons	4421..4615, 4431..4658		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.tm	Method	TBLASTX:Maize
Start	4683	End	5188
GI	none	Score	102
Exons	4683..4781, 4685..4798, 4811..4867, 4862..5188, 4877..4990, 4878..5186		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.tw	Method	TBLASTX:Wheat
Start	5199	End	5506
GI	none	Score	341
Exons	5199..5489, 5199..5483, 5201..5506		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.tm	Method	TBLASTX:Maize
Start	5202	End	5506
GI	none	Score	136
Exons	5202..5483, 5204..5506, 5207..5347, 5208..5483		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.ts	Method	TBLASTX:Soybean
Start	5210	End	5468
GI	none	Score	42
Exons	5210..5239, 5210..5296, 5294..5464, 5298..5468		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.tc	Method	TBLASTX:Cress
Start	5315	End	5494
GI	none	Score	157
Exons	5315..5494, 5319..5465		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.gp	Method	AAT/GAP
Start	5331	End	5632
GI	428917	Score	567
Exons	5331..5632		
GI Descrip.	3258575 7.0e-10 (U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39271	Seq. ID	OJ000228_07.0410.C15
Gene No.	81007	Strand	+
Start	1	End	108
Name	OJ000228_07.0410.C15.o1.gp	Method	AAT/GAP
Start	1	End	108
GI	LIB3477-003-P1-K1-E9	Score	169
Exons	1..108		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39272	Seq. ID	OJ000228_07.0410.C16
Gene No.	81008	Strand	+
Start	416	End	565
Name	OJ000228_07.0410.C16.o1.gs	Method	GENSCAN
Start	416	End	565
GI	none	Score	.73
Exons	416..565		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81009	Strand	+
Start	757	End	1376
Name	OJ000308_05.0406.C3.o1.gs	Method	GENSCAN
Start	757	End	1376
GI	none	Score	.54
Exons	757..871, 1361..1376		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81009	Strand	+
Start	757	End	1376
Name	OJ000308_05.0406.C3.o1.gp	Method	AAT/GAP
Start	802	End	1218
GI	3760700	Score	595
Exons	802..871, 949..1218		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81010	Strand	+
Start	3421	End	5092

Name	OJ000308_05.0406.C3.o2.gs	Method	GENSCAN
Start	3421	End	5092
GI	none	Score	.85
Exons	3421..4071, 4165..4450, 4536..5092		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81010	Strand	+
Start	3421	End	5092
Name	OJ000308_05.0406.C3.o2.np	Method	AAT/NAP
Start	3436	End	5089
GI	7140936	Score	1632
Exons	3436..3756, 3790..4071, 4165..4450, 4536..5089		
GI Descrip.	(AF182039) ammonium transporter [Arabidopsis thaliana]		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81011	Strand	+
Start	7563	End	9005
Name	OJ000308_05.0406.C3.o4.gs	Method	GENSCAN
Start	7563	End	8848
GI	none	Score	.79
Exons	7563..7667, 8669..8848		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81011	Strand	+
Start	7563	End	9005
Name	OJ000308_05.0406.C3.o3.np	Method	AAT/NAP
Start	7833	End	9005
GI	6539588	Score	249
Exons	7833..7859, 8575..8848, 8925..9005		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o3.tm	Method	TBLASTX:Maize
Start	527	End	1123
GI	none	Score	181
Exons	527..652, 528..656, 537..659, 755..865, 756..869, 767..874, 950..1123, 953..1123		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o1.tc	Method	TBLASTX:Cress
Start	594	End	881
GI	none	Score	104
Exons	594..656, 596..655, 755..874, 756..881		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o3.tc	Method	TBLASTX:Cress
Start	934	End	1159
GI	none	Score	189
Exons	934..1137, 950..1159		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3

Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o1.ts	Method	TBLASTX:Soybean
Start	3439	End	4464
GI	none	Score	822
Exons	3439..4083, 3459..3794, 3876..4073, 4164..4415, 4165..4206, 4279..4416, 4408..4464		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	3466	End	3903
GI	none	Score	444
Exons	3466..3903, 3484..3735		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o1.tw	Method	TBLASTX:Wheat
Start	4017	End	4383
GI	none	Score	105
Exons	4017..4073, 4018..4083, 4158..4226, 4164..4382, 4279..4383		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o4.tm	Method	TBLASTX:Maize
Start	4180	End	4467
GI	none	Score	51
Exons	4180..4230, 4182..4223, 4185..4451, 4279..4467, 4330..4467		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o2.tc	Method	TBLASTX:Cress
Start	4191	End	4457
GI	none	Score	169
Exons	4191..4457, 4279..4452		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o2.tm	Method	TBLASTX:Maize
Start	4510	End	4875
GI	none	Score	443
Exons	4510..4875, 4532..4873		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o2.ts	Method	TBLASTX:Soybean
Start	4531	End	4773
GI	none	Score	298
Exons	4531..4773, 4532..4771		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3

Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o3.ts	Method	TBLASTX:Soybean
Start	4775	End	5140
GI	none	Score	244
Exons	4775..4987, 5063..5140		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o3.gs	Method	GENSCAN
Start	6605	End	7435
GI	none	Score	.89
Exons	6605..7435		

Seq. No.	39274	Seq. ID	OJ000308_05.0406.C4
Gene No.	81013	Strand	+
Start	458	End	601
Name	OJ000308_05.0406.C4.o1.gs	Method	GENSCAN
Start	458	End	601
GI	none	Score	.92
Exons	458..601		

Seq. No.	39274	Seq. ID	OJ000308_05.0406.C4
Gene No.	81014	Strand	-
Start	1376	End	2085
Name	OJ000308_05.0406.C4.o2.gs	Method	GENSCAN
Start	1376	End	2085
GI	none	Score	.65
Exons	1376..1487, 1958..2085		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81015	Strand	+
Start	1931	End	4201
Name	OJ000308_05.0406.C5.o1.gp	Method	AAT/GAP
Start	1931	End	2357
GI	uC-osflm202108a05b1	Score	818
Exons	1931..2357		
GI Descrip.	'3395443 1.0e-34 (AC004683) putative ammonium transporter, 3'' partial [Arabidopsis thaliana]'		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81015	Strand	+
Start	1931	End	4201
Name	OJ000308_05.0406.C5.o1.gs	Method	GENSCAN
Start	1974	End	4201
GI	none	Score	1
Exons	1974..2624, 3178..3463, 3645..4201		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81015	Strand	+
Start	1931	End	4201
Name	OJ000308_05.0406.C5.o1.np	Method	AAT/NAP
Start	1989	End	4198
GI	7140936	Score	1658
Exons	1989..2309, 2343..2624, 3178..3463, 3645..4198		
GI Descrip.	(AF182039) ammonium transporter [Arabidopsis thaliana]		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81016	Strand	+
Start	4679	End	5034
Name	OJ000308_05.0406.C5.o2.gp	Method	AAT/GAP
Start	4679	End	5034
GI	LIB3431-055-P1-N1-B2	Score	672
Exons	4679..5034		
GI Descrip.	'3068705 6.0e-16 (AF049236) unknown [Arabidopsis thaliana]'		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81017	Strand	-
Start	4844	End	7767
Name	OJ000308_05.0406.C5.o2.gs	Method	GENSCAN
Start	4844	End	7767
GI	none	Score	.78
Exons	4844..5041, 6223..6369, 6465..6727, 7533..7767		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81017	Strand	-
Start	4844	End	7767
Name	OJ000308_05.0406.C5.o2.np	Method	AAT/NAP
Start	4847	End	7746
GI	3068705	Score	484
Exons	4847..5041, 6223..6369, 6465..6727, 7590..7746		
GI Descrip.	(AF049236) unknown [Arabidopsis thaliana]		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81018	Strand	-
Start	7945	End	9499
Name	OJ000308_05.0406.C5.o3.np	Method	AAT/NAP
Start	7945	End	9499
GI	140291	Score	151
Exons	7945..8005, 9355..9499		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81018	Strand	-
Start	7945	End	9499
Name	OJ000308_05.0406.C5.o4.np	Method	AAT/NAP
Start	7980	End	9499
GI	140291	Score	152
Exons	7980..8019, 9352..9499		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o2.tm	Method	TBLASTX:Maize
Start	2027	End	2458
GI	none	Score	488

Exons	2027..2458, 2028..2456		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o1.ts	Method	TBLASTX:Soybean
Start	2031	End	3489
GI	none	Score	821
Exons	2031..2627, 2033..2626, 3177..3428, 3178..3219, 3292..3429, 3421..3489		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o1.tw	Method	TBLASTX:Wheat
Start	2570	End	3396
GI	none	Score	102
Exons	2570..2626, 2571..2627, 3177..3239, 3177..3395, 3292..3396		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o4.tm	Method	TBLASTX:Maize
Start	3193	End	3465
GI	none	Score	49
Exons	3193..3369, 3195..3236, 3198..3464, 3292..3465		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o1.tc	Method	TBLASTX:Cress
Start	3204	End	3480
GI	none	Score	246
Exons	3204..3479, 3292..3480		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o3.tm	Method	TBLASTX:Maize
Start	3640	End	3984
GI	none	Score	103
Exons	3640..3750, 3640..3834, 3641..3931, 3898..3984		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o3.ts	Method	TBLASTX:Soybean
Start	3640	End	3880
GI	none	Score	213
Exons	3640..3837, 3641..3880		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o2.tw	Method	TBLASTX:Wheat
Start	4814	End	6283
GI	none	Score	53

Exons	4814..4879, 4819..4875, 4845..4880, 4880..4975, 4881..4979, 4882..4977, 4977..5042, 4979..5044, 4982..5044, 6217..6267, 6221..6283		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o1.tm	Method	TBLASTX:Maize
Start	4835	End	8095
GI	none	Score	258
Exons	4835..5044, 4845..5042, 6221..6370, 6221..6370, 6222..6371, 6265..6372, 6457..6729, 6462..6728, 6463..6729, 6533..6757, 7588..7701, 7589..7672, 7652..7717, 7654..7731, 7654..7716, 7890..7931, 7891..7959, 7892..7945, 7942..8040, 7952..8044, 7954..8043, 8060..8086, 8063..8095		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o2.ts	Method	TBLASTX:Soybean
Start	4842	End	7713
GI	none	Score	134
Exons	4842..5042, 4844..5044, 4845..5042, 6220..6372, 6462..6563, 6463..6570, 6585..6728, 6586..6729, 7588..7713		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o3.gs	Method	GENSCAN
Start	11116	End	12014
GI	none	Score	.68
Exons	11116..11133, 11769..12014		

Seq. No.	39276	Seq. ID	OJ000308_05.0406.C6
Gene No.	81020	Strand	-
Start	3958	End	4889
Name	OJ000308_05.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	3875	End	4613
GI	none	Score	87
Exons	3875..3904, 3936..4058, 3945..4058, 3947..4465, 3956..4060, 3961..4464, 4485..4613, 4486..4611		

Seq. No.	39276	Seq. ID	OJ000308_05.0406.C6
Gene No.	81020	Strand	-
Start	3958	End	4889
Name	OJ000308_05.0406.C6.o1.np	Method	AAT/NAP
Start	3958	End	4889
GI	6630685	Score	1220
Exons	3958..4889		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	39276	Seq. ID	OJ000308_05.0406.C6
Gene No.	81020	Strand	-
Start	3958	End	4889
Name	OJ000308_05.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	3973	End	4604

GI	none	Score	65
Exons	3973..4197, 4022..4189, 4231..4461, 4231..4464, 4238..4465, 4485..4604		

Seq. No.	39276	Seq. ID	OJ000308_05.0406.C6
Gene No.	81020	Strand	-
Start	3958	End	4889
Name	OJ000308_05.0406.C6.o1.tc	Method	TBLASTX:Cress
Start	3976	End	4434
GI	none	Score	68
Exons	3976..4221, 4028..4195, 4207..4341, 4345..4434		

Seq. No.	39276	Seq. ID	OJ000308_05.0406.C6
Gene No.	81020	Strand	-
Start	3958	End	4889
Name	OJ000308_05.0406.C6.o1.tw	Method	TBLASTX:Wheat
Start	4009	End	4425
GI	none	Score	57
Exons	4009..4197, 4022..4141, 4216..4425, 4220..4321		

Seq. No.	39276	Seq. ID	OJ000308_05.0406.C6
Gene No.	81020	Strand	-
Start	3958	End	4889
Name	OJ000308_05.0406.C6.o2.tm	Method	TBLASTX:Maize
Start	4614	End	4806
GI	none	Score	196
Exons	4614..4805, 4615..4806		

Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81021	Strand	+
Start	3845	End	6106
Name	OJ000308_05.0406.C7.o4.np	Method	AAT/NAP
Start	3845	End	6106
GI	6721516	Score	560
Exons	3845..4081, 4492..4823, 6076..6106		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o1.np	Method	AAT/NAP
Start	1	End	1548
GI	4416302	Score	1436
Exons	1..1548		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o1.tm	Method	TBLASTX:Maize
Start	100	End	960
GI	none	Score	48
Exons	100..288, 172..210, 271..888, 272..889, 887..934, 889..960		

Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616

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Name        OJ000308_05.0406.C7.o3.tw     Method    TBLASTX:Wheat
Start       283                           End       537
GI          none                          Score     60
Exons       283..453, 285..443, 307..444, 469..537

Seq. No.    39277                         Seq. ID   OJ000308_05.0406.C7
Gene No.    81022                         Strand    -
Start       1                             End       3616
Name        OJ000308_05.0406.C7.o1.ts     Method    TBLASTX:Soybean
Start       319                           End       780
GI          none                          Score     55
Exons       319..780, 371..523, 590..709

Seq. No.    39277                         Seq. ID   OJ000308_05.0406.C7
Gene No.    81022                         Strand    -
Start       1                             End       3616
Name        OJ000308_05.0406.C7.o1.tc     Method    TBLASTX:Cress
Start       322                           End       735
GI          none                          Score     196
Exons       322..735

Seq. No.    39277                         Seq. ID   OJ000308_05.0406.C7
Gene No.    81022                         Strand    -
Start       1                             End       3616
Name        OJ000308_05.0406.C7.o1.tw     Method    TBLASTX:Wheat
Start       622                           End       1197
GI          none                          Score     124
Exons       622..909, 631..909, 940..1197, 949..1194

Seq. No.    39277                         Seq. ID   OJ000308_05.0406.C7
Gene No.    81022                         Strand    -
Start       1                             End       3616
Name        OJ000308_05.0406.C7.o2.tm     Method    TBLASTX:Maize
Start       965                           End       1357
GI          none                          Score     155
Exons       965..1237, 967..1233, 1044..1238, 1046..1237, 1226..1357,
            1228..1356

Seq. No.    39277                         Seq. ID   OJ000308_05.0406.C7
Gene No.    81022                         Strand    -
Start       1                             End       3616
Name        OJ000308_05.0406.C7.o2.tw     Method    TBLASTX:Wheat
Start       1267                          End       1584
GI          none                          Score     93
Exons       1267..1584, 1349..1570

Seq. No.    39277                         Seq. ID   OJ000308_05.0406.C7
Gene No.    81022                         Strand    -
Start       1                             End       3616
Name        OJ000308_05.0406.C7.o3.tm     Method    TBLASTX:Maize
Start       1360                          End       1720
GI          none                          Score     82
Exons       1360..1599, 1367..1495, 1523..1591, 1626..1718, 1628..1720

Seq. No.    39277                         Seq. ID   OJ000308_05.0406.C7
Gene No.    81022                         Strand    -
Start       1                             End       3616
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Name	OJ000308_05.0406.C7.o2.ts	Method	TBLASTX:Soybean
Start	1435	End	3616
GI	none	Score	75
Exons	1435..1488, 1513..1578, 1628..1690, 3098..3430, 3494..3616		

Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o4.tw	Method	TBLASTX:Wheat
Start	3194	End	3577
GI	none	Score	39
Exons	3194..3436, 3333..3422, 3449..3577, 3494..3577		

Seq. No.	39278	Seq. ID	OJ000308_05.0406.C8
Gene No.	81023	Strand	+
Start	206	End	424
Name	OJ000308_05.0406.C8.o1.gs	Method	GENSCAN
Start	206	End	424
GI	none	Score	.71
Exons	206..424		

Seq. No.	39278	Seq. ID	OJ000308_05.0406.C8
Gene No.	81024	Strand	-
Start	1	End	2424
Name	OJ000308_05.0406.C8.o1.np	Method	AAT/NAP
Start	1	End	2424
GI	2708709	Score	104
Exons	1..287, 418..539, 597..855, 2380..2424		
GI Descrip.	(AF038575) Wiskott-Aldrich Syndrome protein homolog [Schizosaccharomyces pombe]		

Seq. No.	39278	Seq. ID	OJ000308_05.0406.C8
Gene No.	81024	Strand	-
Start	1	End	2424
Name	OJ000308_05.0406.C8.o2.gs	Method	GENSCAN
Start	731	End	879
GI	none	Score	.94
Exons	731..879		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81025	Strand	+
Start	13308	End	13943
Name	OJ000308_05.0406.C9.o2.gs	Method	GENSCAN
Start	13308	End	13877
GI	none	Score	.98
Exons	13308..13877		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81025	Strand	+
Start	13308	End	13943
Name	OJ000308_05.0406.C9.o2.np	Method	AAT/NAP
Start	13324	End	13943
GI	3790573	Score	190
Exons	13324..13477, 13544..13943		
GI Descrip.	(AF078824) RING-H2 finger protein RHA3a [Arabidopsis thaliana] gi|4914367|gb|AAD32903.1|AC007584_1 (AC007584) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81026	Strand	+
Start	31409	End	37588
Name	OJ000308_05.0406.C9.o5.gs	Method	GENSCAN
Start	31409	End	37588
GI	none	Score	.62
Exons	31409..31425, 31729..31860, 32040..32092, 33303..33491, 33598..33679, 33769..33933, 34189..35161, 35742..36043, 37103..37301, 37478..37588		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81027	Strand	+
Start	38337	End	38466
Name	OJ000308_05.0406.C9.o6.gs	Method	GENSCAN
Start	38337	End	38466
GI	none	Score	.81
Exons	38337..38410, 38454..38466		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81028	Strand	+
Start	42509	End	42771
Name	OJ000308_05.0406.C9.o2.gp	Method	AAT/GAP
Start	42509	End	42771
GI	2276034	Score	230
Exons	42509..42580, 42687..42771		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81029	Strand	-
Start	3003	End	4773
Name	OJ000308_05.0406.C9.o1.np	Method	AAT/NAP
Start	3003	End	4773
GI	6523044	Score	152
Exons	3003..3094, 3172..3398, 4738..4773		
GI Descrip.	(AL132976) putative protein [Arabidopsis thaliana]		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81030	Strand	-
Start	16349	End	23222
Name	OJ000308_05.0406.C9.o3.gs	Method	GENSCAN
Start	16349	End	23197
GI	none	Score	.64
Exons	16349..16483, 17041..17127, 17802..18159, 21415..21554, 21607..21879, 22201..22372, 22521..23197		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81030	Strand	-
Start	16349	End	23222
Name	OJ000308_05.0406.C9.o3.np	Method	AAT/NAP
Start	17808	End	23113
GI	6598934	Score	1041
Exons	17808..18159, 21415..21545, 21652..21887, 22209..22372, 22521..22696, 22961..23113		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81030	Strand	-

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Start          16349                          End        23222
Name           OJ000308_05.0406.C9.o1.gp      Method     AAT/GAP
Start          22941                          End        23222
GI             568939                         Score      545
Exons          22941..23222

Seq. No.       39279                          Seq. ID    OJ000308_05.0406.C9
Gene No.       81031                          Strand     -
Start          25930                          End        31035
Name           OJ000308_05.0406.C9.o4.gs      Method     GENSCAN
Start          25930                          End        31035
GI             none                           Score      .47
Exons          25930..26117, 27224..27412, 29260..29343, 29345..29440,
               29808..30178, 30434..30573, 31000..31035

Seq. No.       39279                          Seq. ID    OJ000308_05.0406.C9
Gene No.       81032                          Strand     -
Start          48725                          End        52656
Name           OJ000308_05.0406.C9.o7.ts      Method     TBLASTX:Soybean
Start          3249                           End        3401
GI             none                           Score      76
Exons          3249..3401, 3250..3324, 3351..3389

Seq. No.       39279                          Seq. ID    OJ000308_05.0406.C9
Gene No.       81032                          Strand     -
Start          48725                          End        52656
Name           OJ000308_05.0406.C9.o1.ts      Method     TBLASTX:Soybean
Start          17811                          End        21729
GI             none                           Score      213
Exons          17811..18029, 17815..18015, 18027..18155, 18037..18156,
               21414..21545, 21415..21546, 21667..21729

Seq. No.       39279                          Seq. ID    OJ000308_05.0406.C9
Gene No.       81032                          Strand     -
Start          48725                          End        52656
Name           OJ000308_05.0406.C9.o2.tm      Method     TBLASTX:Maize
Start          17811                          End        22344
GI             none                           Score      187
Exons          17811..18017, 17821..18015, 18033..18161, 18106..18165,
               21358..21573, 21417..21572, 21665..21880, 21682..21882,
               22204..22344, 22211..22342

Seq. No.       39279                          Seq. ID    OJ000308_05.0406.C9
Gene No.       81032                          Strand     -
Start          48725                          End        52656
Name           OJ000308_05.0406.C9.o3.tc      Method     TBLASTX:Cress
Start          21414                          End        21871
GI             none                           Score      172
Exons          21414..21545, 21677..21871, 21679..21870

Seq. No.       39279                          Seq. ID    OJ000308_05.0406.C9
Gene No.       81032                          Strand     -
Start          48725                          End        52656
Name           OJ000308_05.0406.C9.o2.tw      Method     TBLASTX:Wheat
Start          21683                          End        22564
GI             none                           Score      200
Exons          21683..21880, 21685..21885, 22238..22381, 22243..22374,
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22517..22564, 22521..22562

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o4.tm	Method	TBLASTX:Maize
Start	22397	End	22724
GI	none	Score	191
Exons	22397..22492, 22515..22724, 22515..22637, 22517..22711		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o6.ts	Method	TBLASTX:Soybean
Start	22539	End	22697
GI	none	Score	146
Exons	22539..22697, 22541..22696		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o7.tm	Method	TBLASTX:Maize
Start	44424	End	44810
GI	none	Score	125
Exons	44424..44504, 44599..44685, 44603..44635, 44618..44674, 44637..44690, 44739..44771, 44760..44810		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o8.tm	Method	TBLASTX:Maize
Start	44862	End	45065
GI	none	Score	194
Exons	44862..45065, 44885..45025		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o3.ts	Method	TBLASTX:Soybean
Start	45048	End	45287
GI	none	Score	268
Exons	45048..45275, 45080..45286, 45087..45287		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	45070	End	45551
GI	none	Score	56
Exons	45070..45159, 45075..45161, 45080..45163, 45158..45286, 45159..45278, 45269..45526, 45270..45542, 45280..45543, 45280..45531, 45282..45551		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o1.tw	Method	TBLASTX:Wheat

Start	45075	End	45283
GI	none	Score	378
Exons	45075..45281, 45077..45283		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o4.tc	Method	TBLASTX:Cress
Start	45096	End	45287
GI	none	Score	251
Exons	45096..45287, 45098..45271		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o6.tm	Method	TBLASTX:Maize
Start	45781	End	46096
GI	none	Score	220
Exons	45781..46092, 45783..45977, 45928..46095, 46028..46096		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o3.gp	Method	AAT/GAP
Start	48602	End	50474
GI	2352_1.R1084	Score	1312
Exons	48602..48877, 48963..49142, 49899..50013, 50290..50474		
GI Descrip.	'3420052 2.0e-81 (AC004680) putative ubiqinone reductase [Arabidopsis thaliana]'		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o1.tc	Method	TBLASTX:Cress
Start	48725	End	49198
GI	none	Score	204
Exons	48725..48889, 48725..48880, 48726..48899, 48738..48809, 48952..49044, 48954..49043, 48956..49045, 49044..4[illegible]0, 49045..49161, 49061..49198		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o8.gs	Method	GENSCAN
Start	48725	End	52617
GI	none	Score	.91
Exons	48725..48877, 49899..50013, 50290..50453, 50600.[illegible]5, 50744..50904, 51250..51466, 52174..52617		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o2.ts	Method	TBLASTX:Soybean
Start	48725	End	49065
GI	none	Score	183
Exons	48725..48880, 48729..48878, 48957..49058, 48958..49065		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o4.np	Method	AAT/NAP
Start	48728	End	52656
GI	7432659	Score	1647
Exons	48728..48877, 48963..49142, 49899..50013, 50290..50453, 50600..50665, 50744..50904, 51250..51466, 52174..52656		
GI Descrip.	hypothetical protein F23F1.9 - Arabidopsis thaliana gi|3420052|gb|AAC31853.1| (AC004680) putative NADH dehydrogenase (ubiquinone oxidoreductase) [Arabidopsis thaliana]		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o5.tm	Method	TBLASTX:Maize
Start	48827	End	49151
GI	none	Score	84
Exons	48827..48880, 48828..48878, 48962..48997, 48963..48998, 49002..49043, 49003..49044, 49044..49151, 49045..49143		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o2.tc	Method	TBLASTX:Cress
Start	50275	End	50914
GI	none	Score	185
Exons	50275..50454, 50289..50462, 50589..50666, 50600..50680, 50732..50914, 50736..50906		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o4.ts	Method	TBLASTX:Soybean
Start	50319	End	51383
GI	none	Score	131
Exons	50319..50462, 50335..50454, 50339..50458, 50589..50666, 50600..50689, 50608..50673, 50732..50905, 50736..50777, 50743..50889, 50796..50951, 51230..51376, 51230..51382, 51246..51383, 51252..51383		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o3.tw	Method	TBLASTX:Wheat
Start	52169	End	52348
GI	none	Score	237
Exons	52169..52348, 52171..52347		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o3.tm	Method	TBLASTX:Maize
Start	52247	End	52522
GI	none	Score	331
Exons	52247..52522, 52249..52521		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o5.ts	Method	TBLASTX:Soybean
Start	52276	End	52468
GI	none	Score	90
Exons	52276..52365, 52276..52467, 52283..52468		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81033	Strand	+
Start	397	End	6739
Name	OJ000308_05.0406.C10.o1.np	Method	AAT/NAP
Start	397	End	3094
GI	4115931	Score	1859
Exons	397..1847, 2879..3094		
GI Descrip.	(AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81033	Strand	+
Start	397	End	6739
Name	OJ000308_05.0406.C10.o1.gs	Method	GENSCAN
Start	432	End	6739
GI	none	Score	.44
Exons	432..1847, 4015..4119, 4208..4759, 4861..4958, 5044..5178, 5327..5516, 5621..6739		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81033	Strand	+
Start	397	End	6739
Name	OJ000308_05.0406.C10.o1.gp	Method	AAT/GAP
Start	906	End	1308
GI	uC-osflcyp044f01b1	Score	702
Exons	906..1308		
GI Descrip.	'4115931/gb|AAD03441.1| 6.0e-45 (AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]'		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81033	Strand	+
Start	397	End	6739
Name	OJ000308_05.0406.C10.o2.np	Method	AAT/NAP
Start	4191	End	6727
GI	5733874	Score	1429
Exons	4191..4481, 4593..4759, 4861..4958, 5044..5178, 5327..5516, 5624..6727		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81034	Strand	-
Start	2923	End	3383
Name	OJ000308_05.0406.C10.o2.gp	Method	AAT/GAP
Start	2923	End	3383
GI	LIB3431-011-P1-N1-F11	Score	918
Exons	2923..3383		
GI Descrip.	'4115931/gb|AAD03441.1| 2.0e-18 (AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis		

thaliana]'

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81035	Strand	-
Start	6598	End	6913
Name	OJ000308_05.0406.C10.o3.gp	Method	AAT/GAP
Start	6598	End	6913
GI	uC-osflM2020116g11a1	Score	620
Exons	6598..6913		
GI Descrip.	'5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o1.tm	Method	TBLASTX:Maize
Start	554	End	1775
GI	none	Score	58
Exons	554..643, 564..638, 596..850, 621..899, 833..1612, 834..1613, 1141..1617, 1613..1774, 1614..1775		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o4.tc	Method	TBLASTX:Cress
Start	654	End	869
GI	none	Score	220
Exons	654..869, 662..868		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o4.ts	Method	TBLASTX:Soybean
Start	662	End	953
GI	none	Score	336
Exons	662..883, 669..953		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o1.ts	Method	TBLASTX:Soybean
Start	953	End	3160
GI	none	Score	1303
Exons	953..1345, 954..1850, 1062..1490, 1177..1851, 1409..1858, 1409..1849, 2876..3097, 2902..3096, 2946..3107, 3089..3160		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.tc	Method	TBLASTX:Cress
Start	1378	End	3097
GI	none	Score	46
Exons	1378..1470, 1401..1850, 1409..1837, 1516..1851, 1587..1850, 2876..3097, 2899..3096		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o4.tm	Method	TBLASTX:Maize
Start	1788	End	3207
GI	none	Score	105
Exons	1788..1850, 1790..1849, 2876..3127, 2876..3097, 2877..3143, 2878..3144, 3153..3194, 3154..3207		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o6.tm	Method	TBLASTX:Maize
Start	4120	End	5146
GI	none	Score	239
Exons	4120..4482, 4181..4483, 4640..4762, 4669..4758, 4851..4958, 4864..4959, 5047..5145, 5087..5146		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o5.ts	Method	TBLASTX:Soybean
Start	4175	End	5695
GI	none	Score	40
Exons	4175..4237, 4210..4482, 4298..4483, 4591..4638, 4673..4762, 4864..4956, 4881..4955, 5090..5119, 5120..5170, 5313..5549, 5339..5521, 5621..5695, 5623..5694		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o5.tc	Method	TBLASTX:Cress
Start	4210	End	4462
GI	none	Score	194
Exons	4210..4461, 4298..4462		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o6.tc	Method	TBLASTX:Cress
Start	4516	End	4959
GI	none	Score	38
Exons	4516..4536, 4658..4762, 4672..4758, 4851..4955, 4864..4959		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o7.tm	Method	TBLASTX:Maize
Start	5324	End	5549
GI	none	Score	65
Exons	5324..5518, 5324..5518, 5328..5549		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o3.tm	Method	TBLASTX:Maize
Start	5642	End	6613

GI	none	Score	59
Exons	5642..5707, 5752..5886, 5756..6613, 5974..6240, 6305..6607		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o3.ts	Method	TBLASTX:Soybean
Start	5726	End	6721
GI	none	Score	137
Exons	5726..5896, 5954..6244, 5956..6240, 6275..6331, 6443..6721, 6445..6693		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o3.tc	Method	TBLASTX:Cress
Start	5953	End	6676
GI	none	Score	87
Exons	5953..5994, 5954..6070, 6049..6231, 6053..6241, 6260..6331, 6326..6373, 6443..6676, 6445..6669		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o1.tw	Method	TBLASTX:Wheat
Start	6326	End	6721
GI	none	Score	53
Exons	6326..6412, 6443..6721, 6445..6693		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o1.tc	Method	TBLASTX:Cress
Start	7401	End	8096
GI	none	Score	332
Exons	7401..8096, 7411..7833, 7500..8096		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.gs	Method	GENSCAN
Start	7401	End	8050
GI	none	Score	.93
Exons	7401..8050		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o5.tm	Method	TBLASTX:Maize
Start	7404	End	7610
GI	none	Score	228
Exons	7404..7610, 7405..7608		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.ts	Method	TBLASTX:Soybean

Start	7410	End	8096
GI	none	Score	342
Exons	7410..8096, 7411..7833, 7894..8094		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o3.np	Method	AAT/NAP
Start	7410	End	8096
GI	5123836	Score	986
Exons	7410..8096		
GI Descrip.	(AJ006974) NAD-malate dehydrogenase [Nicotiana tabacum]		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.tw	Method	TBLASTX:Wheat
Start	7428	End	7721
GI	none	Score	109
Exons	7428..7511, 7498..7719, 7530..7721		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.tm	Method	TBLASTX:Maize
Start	7611	End	8096
GI	none	Score	563
Exons	7611..8096, 7611..8096		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.np	Method	AAT/NAP
Start	1	End	900
GI	5123836	Score	459
Exons	1..436, 789..900		
GI Descrip.	(AJ006974) NAD-malate dehydrogenase [Nicotiana tabacum]		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	540
GI	none	Score	475
Exons	1..393, 1..330, 3..368, 406..444, 408..509, 408..503, 409..540		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	285
GI	none	Score	310
Exons	1..285, 1..279, 3..284		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900

Name	OJ000308_05.0406.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	291
GI	none	Score	306
Exons	1..291, 1..285, 3..290		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.tw	Method	TBLASTX:Wheat
Start	4	End	278
GI	none	Score	154
Exons	4..276, 6..278		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.gs	Method	GENSCAN
Start	77	End	503
GI	none	Score	.87
Exons	77..503		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81038	Strand	+
Start	124	End	4215
Name	OJ000228_06.0406.C2.o1.gs	Method	GENSCAN
Start	124	End	3271
GI	none	Score	.65
Exons	124..163, 1194..1337, 1861..2075, 2930..3271		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81038	Strand	+
Start	124	End	4215
Name	OJ000228_06.0406.C2.o2.np	Method	AAT/NAP
Start	1959	End	4215
GI	5803248	Score	346
Exons	1959..2075, 4123..4215		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81039	Strand	-
Start	951	End	1727
Name	OJ000228_06.0406.C2.o1.np	Method	AAT/NAP
Start	951	End	1727
GI	5803247	Score	450
Exons	951..1069, 1189..1267, 1441..1502, 1655..1727		
GI Descrip.	(AP000399) similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81040	Strand	-
Start	4084	End	5066
Name	OJ000228_06.0406.C2.o2.gs	Method	GENSCAN
Start	4084	End	5066
GI	none	Score	.64
Exons	4084..4276, 4984..5066		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2

Gene No.	81041	Strand	-
Start	6047	End	6601
Name	OJ000228_06.0406.C2.o2.gp	Method	AAT/GAP
Start	5704	End	6601
GI	74_4.R1084	Score	590
Exons	5704..5733, 5975..6204, 6322..6383, 6535..6601		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81041	Strand	-
Start	6047	End	6601
Name	OJ000228_06.0406.C2.o3.np	Method	AAT/NAP
Start	5986	End	6601
GI	5803249	Score	528
Exons	5986..6204, 6322..6383, 6535..6601		
GI Descrip.	(AP000399) EST C97982(C0324) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81041	Strand	-
Start	6047	End	6601
Name	OJ000228_06.0406.C2.o3.gs	Method	GENSCAN
Start	6047	End	6601
GI	none	Score	.99
Exons	6047..6204, 6255..6383, 6535..6601		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81042	Strand	-
Start	10265	End	10868
Name	OJ000228_06.0406.C2.o1.tm	Method	TBLASTX:Maize
Start	975	End	10755
GI	none	Score	281
Exons	975..1085, 1420..1503, 5915..6202, 5975..6202, 5983..6204, 6049..6204, 6530..6601, 6536..6601, 6540..6641, 10182..10268, 10199..10420, 10201..10446, 10202..10420, 10683..10751, 10694..10741, 10696..10755, 10700..10753		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81042	Strand	-
Start	10265	End	10868
Name	OJ000228_06.0406.C2.o4.np	Method	AAT/NAP
Start	10204	End	10758
GI	5803250	Score	524
Exons	10204..10422, 10524..10585, 10695..10758		
GI Descrip.	(AP000399) EST AU077941(C12908) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81042	Strand	-
Start	10265	End	10868
Name	OJ000228_06.0406.C2.o4.gs	Method	GENSCAN
Start	10265	End	10770
GI	none	Score	.59
Exons	10265..10488, 10524..10585, 10695..10770		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81042	Strand	-
Start	10265	End	10868
Name	OJ000228_06.0406.C2.o3.gp	Method	AAT/GAP
Start	10329	End	10868
GI	74_6.R1084	Score	589
Exons	10329..10422, 10524..10585, 10695..10868		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-125 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	39283	Seq. ID	OJ000228_06.0406.C3
Gene No.	81043	Strand	+
Start	5691	End	7425
Name	OJ000228_06.0406.C3.o2.np	Method	AAT/NAP
Start	5691	End	7425
GI	5803252	Score	451
Exons	5691..5724, 7177..7425		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39283	Seq. ID	OJ000228_06.0406.C3
Gene No.	81044	Strand	-
Start	3668	End	7075
Name	OJ000228_06.0406.C3.o1.np	Method	AAT/NAP
Start	3553	End	4622
GI	5803251	Score	772
Exons	3553..3720, 3783..3833, 4087..4339, 4594..4622		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39283	Seq. ID	OJ000228_06.0406.C3
Gene No.	81044	Strand	-
Start	3668	End	7075
Name	OJ000228_06.0406.C3.o1.gs	Method	GENSCAN
Start	3668	End	7075
GI	none	Score	.74
Exons	3668..3720, 3783..4339, 4800..5123, 6015..6098, 6400..6559, 6913..7075		

Seq. No.	39283	Seq. ID	OJ000228_06.0406.C3
Gene No.	81044	Strand	-
Start	3668	End	7075
Name	OJ000228_06.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	6369	End	6560
GI	none	Score	93
Exons	6369..6518, 6398..6451, 6451..6558, 6453..6560, 6453..6560		

Seq. No.	39284	Seq. ID	OJ000228_06.0406.C4
Gene No.	81045	Strand	+
Start	539	End	2388
Name	OJ000228_06.0406.C4.o1.gs	Method	GENSCAN
Start	539	End	2355
GI	none	Score	.69
Exons	539..649, 942..1066, 1147..1413, 1566..1575, 2275..2355		

Seq. No.	39284	Seq. ID	OJ000228_06.0406.C4
Gene No.	81045	Strand	+
Start	539	End	2388

Name	OJ000228_06.0406.C4.o1.np	Method	AAT/NAP
Start	565	End	2388
GI	5803253	Score	862
Exons	565..649, 942..1066, 1147..1413, 2275..2388		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o1.np	Method	AAT/NAP
Start	1	End	857
GI	5803253	Score	513
Exons	1..186, 295..428, 674..857		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o2.np	Method	AAT/NAP
Start	1	End	2036
GI	4895185	Score	319
Exons	1..20, 1176..1293, 1420..1603, 1691..1824, 1955..2036		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o1.gs	Method	GENSCAN
Start	295	End	6508
GI	none	Score	.73
Exons	295..428, 674..855, 1179..1293, 1420..1603, 2834..2945, 3775..3875, 4365..4717, 4807..4924, 4971..5204, 5290..5436, 5532..5849, 6314..6508		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o3.np	Method	AAT/NAP
Start	2131	End	5234
GI	6069671	Score	84
Exons	2131..2160, 3624..3725, 5184..5234		
GI Descrip.	(AP000616) EST C72179(E1153) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana chromosome II BAC T4C15; hypothetical protein (AC004667) [Oryza sativa]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o2.gp	Method	AAT/GAP
Start	4362	End	4781
GI	71486_1.R1084	Score	747
Exons	4362..4781		
GI Descrip.	'5803254/dbj|BAA83564.1| 3.0e-35 (AP000399) ESTs		

C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o4.np	Method	AAT/NAP
Start	4398	End	5909
GI	5803254	Score	2259
Exons	4398..5204, 5290..5436, 5532..5909		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o3.gp	Method	AAT/GAP
Start	4755	End	5161
GI	6062534	Score	750
Exons	4755..5161		
GI Descrip.	5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o4.gp	Method	AAT/GAP
Start	5290	End	6122
GI	15799_1.R1084	Score	1158
Exons	5290..5436, 5532..6122		
GI Descrip.	'5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81047	Strand	-
Start	1960	End	2220
Name	OJ000228_06.0406.C5.o1.gp	Method	AAT/GAP
Start	1960	End	2220
GI	3106613	Score	480
Exons	1960..2220		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 1.0e-125 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o1.tm	Method	TBLASTX:Maize
Start	1178	End	2243
GI	none	Score	45
Exons	1178..1201, 1250..1291, 1410..1541, 1418..1543, 1419..1541, 1522..1608, 1523..1552, 1526..1612, 1527..1595, 1561..1602,		

1688..1786, 1688..1780, 1689..1781, 1690..1794, 1782..1805, 1897..2052, 1897..2070, 1913..2059, 2121..2150, 2214..2243

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o1.ts	Method	TBLASTX:Soybean
Start	1690	End	2052
GI	none	Score	129
Exons	1690..1800, 1691..1786, 1782..1805, 1909..2052, 1912..2040		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o3.tm	Method	TBLASTX:Maize
Start	4820	End	5442
GI	none	Score	198
Exons	4820..5047, 4827..5042, 4854..5054, 5112..5198, 5124..5198, 5129..5212, 5298..5327, 5298..5342, 5299..5352, 5361..5441, 5363..5425, 5368..5442		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o5.gp	Method	AAT/GAP
Start	6898	End	8030
GI	74_3.R1084	Score	1491
Exons	6898..7418, 7593..7654, 7778..8030		
GI Descrip.	'3763845/dbj|BAA33813| 9.0e-50 (AB018375) early nodulin [Oryza sativa] >gi_3763847_dbj_BAA33814_ (AB018376) early nodulin [Oryza sativa] >gi_5803255_dbj_BAA83565.1_ (AP000399) ESTs C98096(C0688),C98097(C0688) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o2.tm	Method	TBLASTX:Maize
Start	7198	End	7835
GI	none	Score	55
Exons	7198..7239, 7202..7237, 7234..7416, 7236..7418, 7239..7418, 7779..7835, 7784..7834		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o5.np	Method	AAT/NAP
Start	7201	End	7841
GI	3763845	Score	503
Exons	7201..7418, 7593..7654, 7778..7841		
GI Descrip.	(AB018375) early nodulin [Oryza sativa] gi|3763847|dbj|BAA33814| (AB018376) early nodulin [Oryza sativa] gi|5803255|dbj|BAA83565.1| (AP000399) ESTs C98096(C0688),C98097(C0688) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o2.gs	Method	GENSCAN
Start	7261	End	7841
GI	none	Score	.79
Exons	7261..7418, 7466..7525, 7778..7841		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81049	Strand	+
Start	1254	End	2364
Name	OJ000228_06.0406.C6.o1.gs	Method	GENSCAN
Start	1254	End	2364
GI	none	Score	.4
Exons	1254..1317, 2342..2364		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81050	Strand	+
Start	16741	End	20000
Name	OJ000228_06.0406.C6.o5.np	Method	AAT/NAP
Start	16741	End	19997
GI	5803259	Score	5330
Exons	16741..18002, 18098..19997		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81050	Strand	+
Start	16741	End	20000
Name	OJ000228_06.0406.C6.o6.gs	Method	GENSCAN
Start	16741	End	20000
GI	none	Score	.99
Exons	16741..18002, 18098..20000		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81051	Strand	+
Start	26861	End	27536
Name	OJ000228_06.0406.C6.o7.np	Method	AAT/NAP
Start	26861	End	27536
GI	5922623	Score	192
Exons	26861..26945, 27327..27536		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81052	Strand	-
Start	1	End	89
Name	OJ000228_06.0406.C6.o1.gp	Method	AAT/GAP
Start	1	End	89
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	1..89		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6

Gene No.	81053	Strand	-
Start	4237	End	6744
Name	OJ000228_06.0406.C6.o1.np	Method	AAT/NAP
Start	3247	End	4591
GI	6630699	Score	86
Exons	3247..3326, 4562..4591		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81053	Strand	-
Start	4237	End	6744
Name	OJ000228_06.0406.C6.o4.gp	Method	AAT/GAP
Start	4081	End	4882
GI	74_1.R1084	Score	1162
Exons	4081..4458, 4553..4614, 4701..4882		
GI Descrip.	'5803256/dbj|BAA83566.1| 2.0e-46 (AP000399) ESTs C98280(C1391),D15843(C1391) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81053	Strand	-
Start	4237	End	6744
Name	OJ000228_06.0406.C6.o2.gs	Method	GENSCAN
Start	4237	End	6744
GI	none	Score	.76
Exons	4237..4458, 4553..4614, 4701..4782, 5720..5824, 6349..6496, 6512..6744		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81053	Strand	-
Start	4237	End	6744
Name	OJ000228_06.0406.C6.o2.np	Method	AAT/NAP
Start	4240	End	4764
GI	5803256	Score	521
Exons	4240..4458, 4553..4614, 4701..4764		
GI Descrip.	(AP000399) ESTs C98280(C1391),D15843(C1391) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81054	Strand	-
Start	7108	End	7918
Name	OJ000228_06.0406.C6.o5.gp	Method	AAT/GAP
Start	7108	End	7918
GI	74_4.R1084	Score	1094
Exons	7108..7461, 7576..7637, 7748..7918		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81054	Strand	-
Start	7108	End	7918
Name	OJ000228_06.0406.C6.o3.gs	Method	GENSCAN
Start	7240	End	7814

GI	none	Score	.98
Exons	7240..7461, 7576..7637, 7748..7814		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81054	Strand	-
Start	7108	End	7918
Name	OJ000228_06.0406.C6.o3.np	Method	AAT/NAP
Start	7285	End	7916
GI	4809191	Score	605
Exons	7285..7461, 7576..7637, 7748..7916		
GI Descrip.	(AF140229) early nodulin [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81055	Strand	-
Start	11001	End	15579
Name	OJ000228_06.0406.C6.o6.gp	Method	AAT/GAP
Start	11001	End	11842
GI	74_2.R1084	Score	1160
Exons	11001..11380, 11508..11569, 11675..11842		
GI Descrip.	'5803258/dbj|BAA83568.1| 8.0e-50 (AP000399) EST AU077972(C53511) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81055	Strand	-
Start	11001	End	15579
Name	OJ000228_06.0406.C6.o5.gs	Method	GENSCAN
Start	11159	End	15579
GI	none	Score	.62
Exons	11159..11380, 11508..11569, 11675..11779, 13270..13332, 13416..13491, 15081..15251, 15493..15579		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81055	Strand	-
Start	11001	End	15579
Name	OJ000228_06.0406.C6.o4.np	Method	AAT/NAP
Start	11162	End	11738
GI	5803258	Score	521
Exons	11162..11380, 11508..11569, 11675..11738		
GI Descrip.	(AP000399) EST AU077972(C53511) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81056	Strand	-
Start	20008	End	20469
Name	OJ000228_06.0406.C6.o7.gp	Method	AAT/GAP
Start	20008	End	20469
GI	2428323	Score	858
Exons	20008..20469		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o2.tm	Method	TBLASTX:Maize

Start	4235	End	11733
GI	none	Score	281
Exons	4235..4456, 4237..4458, 4237..4458, 4559..4615, 4702..4761, 4702..4761, 7209..7337, 7232..7459, 7240..7461, 7241..7459, 7243..7488, 7749..7814, 7750..7815, 7751..7813, 11159..11389, 11160..11378, 11676..11732, 11680..11733, 11681..11731		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o2.tw	Method	TBLASTX:Wheat
Start	19246	End	23778
GI	none	Score	55
Exons	19246..19344, 23359..23565, 23366..23539, 23547..23777, 23556..23675, 23557..23778		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o7.gs	Method	GENSCAN
Start	20629	End	27392
GI	none	Score	.5
Exons	20629..23554, 23665..24356, 24420..24772, 24803..25529, 25614..26801, 26858..27064, 27306..27392		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o6.np	Method	AAT/NAP
Start	20632	End	26783
GI	7228457	Score	9443
Exons	20632..22182, 22249..23400, 23523..24356, 24420..26355, 26417..26783		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o7.tw	Method	TBLASTX:Wheat
Start	20641	End	21243
GI	none	Score	81
Exons	20641..20766, 20645..20767, 20947..21243, 20960..21103, 21140..21238, 21168..21239		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o4.tw	Method	TBLASTX:Wheat
Start	21244	End	21625
GI	none	Score	163
Exons	21244..21624, 21275..21523, 21569..21625		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392

Name	OJ000228_06.0406.C6.o3.tm	Method	TBLASTX:Maize
Start	21454	End	21762
GI	none	Score	198
Exons	21454..21762, 21455..21733		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o8.tw	Method	TBLASTX:Wheat
Start	21955	End	22267
GI	none	Score	61
Exons	21955..22215, 22091..22267		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o2.ts	Method	TBLASTX:Soybean
Start	22015	End	22581
GI	5666795	Score	68
Exons	22015..22215, 22270..22407, 22483..22581		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o5.tw	Method	TBLASTX:Wheat
Start	22270	End	22704
GI	none	Score	88
Exons	22270..22419, 22271..22408, 22273..22410, 22453..22704, 22463..22684, 22507..22704		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	23329	End	23699
GI	none	Score	83
Exons	23329..23559, 23556..23699, 23557..23682		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o4.tm	Method	TBLASTX:Maize
Start	23452	End	23835
GI	none	Score	194
Exons	23452..23562, 23556..23834, 23557..23835		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	23862	End	24218
GI	none	Score	114
Exons	23862..24167, 23862..24218, 23872..24183		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-

Start	20629	End	27392
Name	OJ000228_06.0406.C6.o1.tw	Method	TBLASTX:Wheat
Start	23886	End	24349
GI	none	Score	222
Exons	23886..24347, 23892..24347, 23893..24348, 23906..24349		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o3.ts	Method	TBLASTX:Soybean
Start	23943	End	24308
GI	none	Score	118
Exons	23943..24077, 24084..24308		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o3.tw	Method	TBLASTX:Wheat
Start	24513	End	24999
GI	none	Score	74
Exons	24513..24998, 24540..24734, 24544..24804, 24826..24999		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o6.tw	Method	TBLASTX:Wheat
Start	25737	End	26129
GI	none	Score	96
Exons	25737..25994, 25771..26010, 25977..26075, 25978..26070, 26082..26129		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o5.tm	Method	TBLASTX:Maize
Start	25839	End	26124
GI	none	Score	107
Exons	25839..26087, 25840..26124		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81058	Strand	+
Start	572	End	3544
Name	OJ000228_06.0406.C7.o1.gs	Method	GENSCAN
Start	572	End	3544
GI	none	Score	.88
Exons	572..815, 1003..1700, 1932..2024, 2370..3544		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81058	Strand	+
Start	572	End	3544
Name	OJ000228_06.0406.C7.o1.np	Method	AAT/NAP
Start	580	End	3541
GI	5803260	Score	3707
Exons	580..815, 1003..1700, 1932..2024, 2370..3541		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7

Gene No.	81059	Strand	-
Start	3269	End	4231
Name	OJ000228_06.0406.C7.o1.gp	Method	AAT/GAP
Start	3269	End	4231
GI	uC-osflcyp035f02b1	Score	685
Exons	3269..3520, 4120..4231		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o1.tc	Method	TBLASTX:Cress
Start	703	End	3166
GI	none	Score	82
Exons	703..765, 1154..1216, 1289..1582, 1604..1708, 2525..2833, 2588..2803, 2686..2817, 2863..3165, 2864..3166		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o1.ts	Method	TBLASTX:Soybean
Start	2516	End	3166
GI	none	Score	106
Exons	2516..2659, 2686..2817, 2687..2839, 2861..3166, 2863..3162		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o1.tm	Method	TBLASTX:Maize
Start	2528	End	3397
GI	none	Score	338
Exons	2528..2842, 2530..2574, 2534..2815, 2647..2847, 2857..3165, 2858..3166, 3302..3397		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o1.tw	Method	TBLASTX:Wheat
Start	2549	End	2905
GI	none	Score	316
Exons	2549..2830, 2549..2830, 2864..2905		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o2.tw	Method	TBLASTX:Wheat
Start	2906	End	3166
GI	none	Score	184
Exons	2906..3166, 3040..3159		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o3.gp	Method	AAT/GAP
Start	5080	End	5585
GI	LIB3475-002-P1-K2-B2	Score	999

Exons	5080..5585		
GI Descrip.	'5803261/dbj|BAA83571.1| 7.0e-89 (AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]'		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o2.gs	Method	GENSCAN
Start	5124	End	6107
GI	none	Score	.83
Exons	5124..6107		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o2.np	Method	AAT/NAP
Start	5127	End	6255
GI	5803261	Score	1757
Exons	5127..6107, 6221..6255		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o2.tm	Method	TBLASTX:Maize
Start	5631	End	6027
GI	none	Score	155
Exons	5631..5780, 5632..5775, 5649..5777, 5781..5909, 5790..5900, 5856..6026, 5919..6026, 5920..6027		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81061	Strand	+
Start	3963	End	4296
Name	OJ000228_06.0406.C8.o2.np	Method	AAT/NAP
Start	3963	End	4296
GI	5803262	Score	344
Exons	3963..3993, 4115..4296		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81062	Strand	-
Start	1	End	3017
Name	OJ000228_06.0406.C8.o1.np	Method	AAT/NAP
Start	1	End	3017
GI	5803261	Score	2106
Exons	1..80, 373..1358, 2757..3017		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81062	Strand	-
Start	1	End	3017
Name	OJ000228_06.0406.C8.o1.gs	Method	GENSCAN
Start	369	End	2960
GI	none	Score	.52

Exons	369..1358, 2757..2960		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o2.tm	Method	TBLASTX:Maize
Start	2838	End	2981
GI	none	Score	159
Exons	2838..2981, 2839..2979		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.gp	Method	AAT/GAP
Start	5467	End	5919
GI	5455578	Score	851
Exons	5467..5919		
GI Descrip.	5803263/dbj|BAA83573.1| 3.0e-09 (AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o3.np	Method	AAT/NAP
Start	5715	End	6587
GI	5803263	Score	1507
Exons	5715..6587		
GI Descrip.	(AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.tc	Method	TBLASTX:Cress
Start	5913	End	6572
GI	none	Score	71
Exons	5913..5981, 6048..6482, 6156..6326, 6522..6572		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.tm	Method	TBLASTX:Maize
Start	5913	End	6482
GI	none	Score	120
Exons	5913..5978, 6078..6482, 6147..6323, 6298..6426, 6411..6458		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.ts	Method	TBLASTX:Soybean
Start	6138	End	6567
GI	none	Score	77
Exons	6138..6221, 6219..6482, 6298..6417, 6501..6566, 6523..6567		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-

Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.tw	Method	TBLASTX:Wheat
Start	6165	End	6512
GI	none	Score	206
Exons	6165..6512		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81064	Strand	+
Start	5185	End	7669
Name	OJ000228_06.0406.C9.o2.gs	Method	GENSCAN
Start	5185	End	7669
GI	none	Score	.88
Exons	5185..5391, 5468..5660, 5893..5998, 6244..6433, 6758..6943, 7025..7108, 7493..7669		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81064	Strand	+
Start	5185	End	7669
Name	OJ000228_06.0406.C9.o3.np	Method	AAT/NAP
Start	5185	End	7666
GI	5803265	Score	1808
Exons	5185..5391, 5468..5660, 5893..5998, 6244..6433, 6758..6943, 7025..7108, 7493..7666		
GI Descrip.	(AP000399) similar to protein arginine N-methyl transferase 1 (Q63009) [Oryza sativa]		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81065	Strand	-
Start	1	End	478
Name	OJ000228_06.0406.C9.o1.np	Method	AAT/NAP
Start	1	End	478
GI	5803263	Score	674
Exons	1..408, 438..478		
GI Descrip.	(AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81066	Strand	-
Start	1202	End	4006
Name	OJ000228_06.0406.C9.o1.gp	Method	AAT/GAP
Start	1202	End	4006
GI	92846_1.R1084	Score	1390
Exons	1202..1471, 1607..1686, 1840..1906, 3462..3512, 3603..3688, 3787..4006		
GI Descrip.	'5803264/dbj|BAA83574.1| 1.0e-76 (AP000399) ESTs AU057456(S21460),AU057455(S21460) correspond to a region of the predicted gene; similar to cytochrome c oxidase subunit Vb precursor (D85381) [Oryza sativa]'		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81066	Strand	-
Start	1202	End	4006
Name	OJ000228_06.0406.C9.o2.np	Method	AAT/NAP
Start	1406	End	3898
GI	5803264	Score	693
Exons	1406..1471, 1607..1686, 1840..1906, 3462..3512, 3603..3688, 3787..3898		

GI Descrip. (AP000399) ESTs AU057456(S21460),AU057455(S21460) correspond to a region of the predicted gene; similar to cytochrome c oxidase subunit Vb precursor (D85381) [Oryza sativa]

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o1.tc	Method	TBLASTX:Cress
Start	5244	End	5972
GI	none	Score	212
Exons	5244..5402, 5251..5391, 5465..5665, 5470..5664, 5891..5965, 5892..5969, 5892..5972		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o1.ts	Method	TBLASTX:Soybean
Start	5244	End	6352
GI	none	Score	197
Exons	5244..5402, 5251..5391, 5465..5665, 5470..5664, 5876..6001, 5892..5999, 6235..6351, 6236..6352, 6245..6352		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	5250	End	5953
GI	none	Score	251
Exons	5250..5402, 5251..5394, 5465..5665, 5465..5665, 5466..5666, 5891..5953, 5892..5951		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o3.ts	Method	TBLASTX:Soybean
Start	6353	End	7669
GI	none	Score	83
Exons	6353..6442, 6751..6966, 6752..6943, 7018..7119, 7019..7120, 7025..7120, 7490..7669, 7492..7668		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o3.tm	Method	TBLASTX:Maize
Start	6752	End	7686
GI	none	Score	215
Exons	6752..6895, 6753..6848, 6757..6912, 6901..6942, 6902..6943, 6914..6949, 7018..7116, 7019..7120, 7025..7120, 7460..7678, 7490..7678, 7492..7686		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o2.gp	Method	AAT/GAP
Start	8271	End	9648
GI	4706_1.R1084	Score	1762
Exons	8271..8896, 9078..9362, 9575..9648		

GI Descrip.	'5803266/dbj|BAA83576.1| 5.0e-47 (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]'		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o3.gs	Method	GENSCAN
Start	8598	End	9835
GI	none	Score	.69
Exons	8598..8844, 8871..8896, 9078..9362, 9575..9835		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o2.ts	Method	TBLASTX:Soybean
Start	8744	End	9857
GI	none	Score	117
Exons	8744..8914, 9072..9377, 9078..9374, 9079..9378, 9611..9856, 9612..9857		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o2.tc	Method	TBLASTX:Cress
Start	8792	End	9857
GI	none	Score	67
Exons	8792..8926, 8793..8828, 8837..8914, 9072..9377, 9085..9363, 9605..9856, 9612..9857		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o4.tm	Method	TBLASTX:Maize
Start	8837	End	9857
GI	none	Score	63
Exons	8837..8914, 8844..8906, 9060..9257, 9072..9275, 9085..9276, 9807..9857, 9809..9856		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o4.np	Method	AAT/NAP
Start	9069	End	9898
GI	5803266	Score	925
Exons	9069..9362, 9575..9898		
GI Descrip.	(AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o2.tm	Method	TBLASTX:Maize
Start	9279	End	9806
GI	none	Score	133

Exons	9279..9377, 9280..9363, 9284..9385, 9572..9805, 9576..9806		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81068	Strand	+
Start	2648	End	7782
Name	OJ000228_06.0406.C10.o2.gs	Method	GENSCAN
Start	2648	End	6169
GI	none	Score	.68
Exons	2648..2984, 3313..3464, 3807..3923, 4784..4867, 4965..5153, 5334..5505, 5655..5728, 5822..5848, 6044..6169		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81068	Strand	+
Start	2648	End	7782
Name	OJ000228_06.0406.C10.o2.gp	Method	AAT/GAP
Start	3815	End	7782
GI	56_1.R1084	Score	2434
Exons	3815..3923, 4784..4867, 4965..5153, 5334..5505, 5655..5728, 5822..5848, 5919..5942, 6044..6225, 7343..7782		
GI Descrip.	'5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81068	Strand	+
Start	2648	End	7782
Name	OJ000228_06.0406.C10.o2.np	Method	AAT/NAP
Start	3852	End	6166
GI	5803267	Score	1186
Exons	3852..3923, 4784..4867, 4965..5153, 5334..5505, 5655..5728, 5880..5942, 6044..6166		
GI Descrip.	(AP000399) ESTs C26547(C12563),AU077938(C12563) correspond to a region of the predicted gene; similar to iron-superoxide dismutase (AB014056) [Oryza sativa]		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o1.np	Method	AAT/NAP
Start	1	End	2632
GI	5803266	Score	1678
Exons	1..66, 526..805, 1154..1422, 1967..2117, 2239..2403, 2493..2632		
GI Descrip.	(AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o1.gs	Method	GENSCAN
Start	526	End	1351
GI	none	Score	.65
Exons	526..805, 1154..1351		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-

Start	1	End	3543
Name	OJ000228_06.0406.C10.o1.ts	Method	TBLASTX:Soybean
Start	572	End	1349
GI	none	Score	267
Exons	572..781, 582..782, 698..784, 1139..1336, 1153..1347, 1154..1348, 1158..1349		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o2.tc	Method	TBLASTX:Cress
Start	579	End	2534
GI	none	Score	155
Exons	579..788, 581..838, 1154..1228, 1155..1223, 1250..1423, 1251..1424, 1962..2120, 1963..2106, 2234..2323, 2239..2316, 2245..2406, 2493..2534		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o3.tm	Method	TBLASTX:Maize
Start	579	End	805
GI	none	Score	162
Exons	579..788, 581..805		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o1.gp	Method	AAT/GAP
Start	1319	End	3543
GI	33343_1.R1084	Score	1662
Exons	1319..1422, 1967..2117, 2239..2403, 2493..2611, 2848..3039, 3385..3543		
GI Descrip.	'5803266/dbj|BAA83576.1| 1.0e-59 (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]'		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o2.ts	Method	TBLASTX:Soybean
Start	1361	End	2382
GI	none	Score	62
Exons	1361..1423, 1368..1424, 1962..2126, 1963..2124, 2236..2382, 2237..2317, 2239..2382		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o1.tm	Method	TBLASTX:Maize
Start	1373	End	2560
GI	none	Score	66
Exons	1373..1423, 1374..1424, 1962..2120, 1962..2114, 1963..2121, 1966..2124, 1967..2128, 1967..2128, 2234..2410, 2234..2404, 2239..2415, 2485..2544, 2493..2534, 2534..2560		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81070	Strand	
Start	3837	End	6169
Name	OJ000228_06.0406.C10.o2.tm	Method	TBLASTX:Maize
Start	3837	End	5540
GI	none	Score	64
Exons	3837..3905, 4747..4869, 4748..4867, 4957..5076, 4963..5076, 4964..5086, 4964..5083, 4965..5087, 4965..5087, 5074..5115, 5078..5134, 5079..5120, 5327..5521, 5327..5515, 5334..5528, 5340..5528, 5514..5540		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81070	Strand	
Start	3837	End	6169
Name	OJ000228_06.0406.C10.o1.tc	Method	TBLASTX:Cress
Start	4775	End	5156
GI	none	Score	75
Exons	4775..4867, 4801..4857, 4964..5056, 4965..5057, 5066..5152, 5073..5156		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81070	Strand	
Start	3837	End	6169
Name	OJ000228_06.0406.C10.o3.ts	Method	TBLASTX:Soybean
Start	4965	End	6136
GI	none	Score	177
Exons	4965..5156, 4966..5079, 4970..5152, 5327..5428, 5330..5509, 5331..5501, 5910..5942, 6026..6136		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81070	Strand	
Start	3837	End	6169
Name	OJ000228_06.0406.C10.o4.tm	Method	TBLASTX:Maize
Start	5919	End	6169
GI	none	Score	48
Exons	5919..5942, 6026..6169, 6041..6160, 6043..6165		

Seq. No.	39291	Seq. ID	OJ000228_06.0406.C11
Gene No.	81071	Strand	-
Start	974	End	1058
Name	OJ000228_06.0406.C11.o1.gs	Method	GENSCAN
Start	974	End	1058
GI	none	Score	.92
Exons	974..1058		

Seq. No.	39291	Seq. ID	OJ000228_06.0406.C11
Gene No.	81072	Strand	-
Start	974	End	1125
Name	OJ000228_06.0406.C11.o1.gp	Method	AAT/GAP
Start	974	End	1125
GI	LIB3432-029-P1-K1-E3	Score	270
Exons	974..1125		
GI Descrip.	'5803269/dbj|BAA83579.1| 1.0e-18 (AP000399) hypothetical protein [Oryza sativa]'		

Seq. No.	39291	Seq. ID	OJ000228_06.0406.C11
Gene No.	81072	Strand	-

```
Start         974                            End       1125
Name          OJ000228_06.0406.C11.o1.np     Method    AAT/NAP
Start         1000                           End       1125
GI            5803269                        Score     200
Exons         1000..1125
GI Descrip.   (AP000399) hypothetical protein [Oryza sativa]

Seq. No.      39292                          Seq. ID   OJ000228_06.0406.C12
Gene No.      81073                          Strand    +
Start         1180                           End       1205
Name          OJ000228_06.0406.C12.o1.gs     Method    GENSCAN
Start         1180                           End       1205
GI            none                           Score     .4
Exons         1180..1205

Seq. No.      39292                          Seq. ID   OJ000228_06.0406.C12
Gene No.      81074                          Strand    +
Start         4570                           End       7602
Name          OJ000228_06.0406.C12.o2.np     Method    AAT/NAP
Start         4570                           End       7602
GI            5803270                        Score     1004
Exons         4570..4727, 4805..4948, 5444..5541, 5656..5757, 7306..7374,
              7532..7602
GI Descrip.   (AP000399) hypothetical protein [Oryza sativa]

Seq. No.      39292                          Seq. ID   OJ000228_06.0406.C12
Gene No.      81075                          Strand    +
Start         10475                          End       14141
Name          OJ000228_06.0406.C12.o2.gp     Method    AAT/GAP
Start         10475                          End       11977
GI            76525_1.R1084                  Score     1051
Exons         10475..10605, 11549..11977
GI Descrip.   '5803272/dbj|BAA83582.1| 4.0e-32 (AP000399) ESTs
              AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a
              region of the predicted gene; similar to acyl-ACP thioesterase
              (U92878) [Oryza sativa]'

Seq. No.      39292                          Seq. ID   OJ000228_06.0406.C12
Gene No.      81075                          Strand    +
Start         10475                          End       14141
Name          OJ000228_06.0406.C12.o5.np     Method    AAT/NAP
Start         11607                          End       14141
GI            5803272                        Score     1622
Exons         11607..12119, 12220..12353, 13593..13706, 13811..13997,
              14091..14141
GI Descrip.   (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175)
              correspond to a region of the predicted gene; similar to
              acyl-ACP thioesterase (U92878) [Oryza sativa]

Seq. No.      39292                          Seq. ID   OJ000228_06.0406.C12
Gene No.      81075                          Strand    +
Start         10475                          End       14141
Name          OJ000228_06.0406.C12.o3.gp     Method    AAT/GAP
Start         13821                          End       14141
GI            2428662                        Score     432
Exons         13821..13997, 14091..14141
GI Descrip.   5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs
```

AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81076	Strand	-
Start	1109	End	1898
Name	OJ000228_06.0406.C12.o1.np	Method	AAT/NAP
Start	1109	End	1898
GI	5803269	Score	451
Exons	1109..1201, 1702..1898		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81076	Strand	-
Start	1109	End	1898
Name	OJ000228_06.0406.C12.o2.gs	Method	GENSCAN
Start	1698	End	1898
GI	none	Score	.69
Exons	1698..1898		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81077	Strand	-
Start	6920	End	6996
Name	OJ000228_06.0406.C12.o1.gp	Method	AAT/GAP
Start	6920	End	6996
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	6920..6996		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81078	Strand	-
Start	7687	End	8335
Name	OJ000228_06.0406.C12.o4.gs	Method	GENSCAN
Start	7687	End	8335
GI	none	Score	.92
Exons	7687..7739, 7885..7971, 8203..8335		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81078	Strand	-
Start	7687	End	8335
Name	OJ000228_06.0406.C12.o3.np	Method	AAT/NAP
Start	7690	End	8335
GI	5803271	Score	401
Exons	7690..7739, 7885..7971, 8203..8335		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81079	Strand	-
Start	8622	End	10106
Name	OJ000228_06.0406.C12.o4.np	Method	AAT/NAP
Start	8622	End	10106
GI	5852093	Score	50
Exons	8622..8741, 10031..10106		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81080	Strand	
Start	11604	End	14141
Name	OJ000228_06.0406.C12.o1.tc	Method	TBLASTX:Cress
Start	11604	End	14141
GI	none	Score	75
Exons	11604..11654, 11736..11819, 11745..11819, 11856..12119, 11856..12113, 11861..12148, 12213..12356, 12214..12354, 12214..12363, 13543..13704, 13590..13682, 13799..13933, 13809..13940, 14090..14140, 14091..14141		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81080	Strand	
Start	11604	End	14141
Name	OJ000228_06.0406.C12.o1.tm	Method	TBLASTX:Maize
Start	11667	End	14141
GI	none	Score	76
Exons	11667..11762, 11681..11770, 11682..11765, 11784..11810, 11835..12113, 11843..12136, 11850..12119, 11866..12138, 11875..12120, 11993..12124, 12213..12311, 12213..12347, 12214..12354, 12214..12354, 13591..13704, 13593..13706, 13594..13704, 13808..13936, 13809..13940, 14091..14141		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81080	Strand	
Start	11604	End	14141
Name	OJ000228_06.0406.C12.o1.ts	Method	TBLASTX:Soybean
Start	11766	End	14141
GI	none	Score	439
Exons	11766..12119, 11769..12113, 11771..12148, 12213..12311, 12213..12353, 12214..12354, 13593..13706, 13594..13704, 13803..13892, 13805..13939, 13809..13940, 14072..14140, 14091..14141		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81080	Strand	
Start	11604	End	14141
Name	OJ000228_06.0406.C12.o1.tw	Method	TBLASTX:Wheat
Start	11994	End	12354
GI	none	Score	113
Exons	11994..12122, 12216..12353, 12217..12354		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81081	Strand	+
Start	1	End	482
Name	OJ000228_06.0406.C13.o1.gp	Method	AAT/GAP
Start	1	End	358
GI	2428662	Score	294
Exons	1..40, 216..358		
GI Descrip.	5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81081	Strand	+

Start	1	End	482
Name	OJ000228_06.0406.C13.o1.np	Method	AAT/NAP
Start	1	End	479
GI	5803272	Score	461
Exons	1..40, 216..479		
GI Descrip.	(AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81081	Strand	+
Start	1	End	482
Name	OJ000228_06.0406.C13.o1.gs	Method	GENSCAN
Start	216	End	482
GI	none	Score	.86
Exons	216..482		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81082	Strand	+
Start	431	End	1125
Name	OJ000228_06.0406.C13.o2.gp	Method	AAT/GAP
Start	431	End	1125
GI	90269_1.R1084	Score	1321
Exons	431..1125		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81083	Strand	+
Start	4210	End	5182
Name	OJ000228_06.0406.C13.o2.gs	Method	GENSCAN
Start	4210	End	5044
GI	none	Score	.47
Exons	4210..5044		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81083	Strand	+
Start	4210	End	5182
Name	OJ000228_06.0406.C13.o3.np	Method	AAT/NAP
Start	4210	End	5182
GI	5803274	Score	1638
Exons	4210..5182		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana BAC T5J8 from chromosome IV; hypothetical protein (AC004044) [Oryza sativa]		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81084	Strand	-
Start	1716	End	2771
Name	OJ000228_06.0406.C13.o1.ts	Method	TBLASTX:Soybean
Start	210	End	482
GI	none	Score	148
Exons	210..317, 213..326, 215..328, 357..482, 357..467, 362..475		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81084	Strand	-
Start	1716	End	2771
Name	OJ000228_06.0406.C13.o1.tm	Method	TBLASTX:Maize

Start	213	End	612
GI	none	Score	365
Exons	213..449, 214..450, 215..448, 452..481, 453..482, 574..612		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81084	Strand	-
Start	1716	End	2771
Name	OJ000228_06.0406.C13.o2.tc	Method	TBLASTX:Cress
Start	213	End	431
GI	none	Score	147
Exons	213..326, 215..325, 345..431		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81084	Strand	-
Start	1716	End	2771
Name	OJ000228_06.0406.C13.o2.np	Method	AAT/NAP
Start	1716	End	2771
GI	5803273	Score	548
Exons	1716..1845, 1890..2028, 2705..2771		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81085	Strand	
Start	4324	End	5181
Name	OJ000228_06.0406.C13.o1.tc	Method	TBLASTX:Cress
Start	4324	End	5181
GI	none	Score	86
Exons	4324..4428, 4330..4494, 4357..4788, 4504..4545, 4507..4887, 4576..4755, 4768..5178, 4777..4920, 4831..4980, 4879..5178, 5017..5181		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81085	Strand	
Start	4324	End	5181
Name	OJ000228_06.0406.C13.o1.tw	Method	TBLASTX:Wheat
Start	4324	End	5070
GI	none	Score	72
Exons	4324..4425, 4342..4728, 4342..4440, 4645..4788, 4765..4881, 4831..5070		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81085	Strand	
Start	4324	End	5181
Name	OJ000228_06.0406.C13.o2.tm	Method	TBLASTX:Maize
Start	4324	End	5142
GI	none	Score	208
Exons	4324..4698, 4633..4881, 4708..5142		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.np	Method	AAT/NAP
Start	1	End	1182
GI	5803274	Score	2037
Exons	1..1182		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana BAC T5J8 from chromosome IV; hypothetical protein (AC004044) [Oryza sativa]		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.tm	Method	TBLASTX:Maize
Start	3	End	425
GI	none	Score	483
Exons	3..380, 8..379, 84..416, 261..425		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.gs	Method	GENSCAN
Start	51	End	755
GI	none	Score	.44
Exons	51..755		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.tw	Method	TBLASTX:Wheat
Start	78	End	873
GI	none	Score	76
Exons	78..284, 249..515, 402..749, 751..819, 754..873		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.tc	Method	TBLASTX:Cress
Start	156	End	957
GI	none	Score	265
Exons	156..728, 294..437, 491..688, 507..743, 510..719, 751..855, 868..957		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o2.tm	Method	TBLASTX:Maize
Start	435	End	1179
GI	none	Score	155
Exons	435..749, 438..728, 507..728, 750..890, 751..1179		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.ts	Method	TBLASTX:Soybean
Start	748	End	1182
GI	none	Score	273
Exons	748..1182		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81087	Strand	+
Start	5887	End	6308
Name	OJ000228_06.0406.C15.o2.gp	Method	AAT/GAP
Start	5887	End	6308
GI	1255_1.R1084	Score	820
Exons	5887..6308		

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GI Descrip.   '5803242/dbj|AP000399.1|AP000399 1.0e-127 Oryza sativa genomic
              DNA, chromosome 6, clone:P0535G04'

Seq. No.      39295                        Seq. ID   OJ000228_06.0406.C15
Gene No.      81088                        Strand    +
Start         13531                        End       19247
Name          OJ000228_06.0406.C15.o4.gs   Method    GENSCAN
Start         13531                        End       19247
GI            none                         Score     .44
Exons         13531..13609, 15127..15174, 17056..17166, 19174..19247

Seq. No.      39295                        Seq. ID   OJ000228_06.0406.C15
Gene No.      81088                        Strand    +
Start         13531                        End       19247
Name          OJ000228_06.0406.C15.o3.np   Method    AAT/NAP
Start         17036                        End       17277
GI            6069646                      Score     216
Exons         17036..17277
GI Descrip.   (AP000616) similar to putative reverse transcriptase (AC005315)
              [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to
              Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence,
              putative non-LTR retroelement reverse transcriptase. (AC006248)
              [Oryza sativa]

Seq. No.      39295                        Seq. ID   OJ000228_06.0406.C15
Gene No.      81089                        Strand    +
Start         24530                        End       24898
Name          OJ000228_06.0406.C15.o6.gs   Method    GENSCAN
Start         24530                        End       24898
GI            none                         Score     .8
Exons         24530..24542, 24819..24898

Seq. No.      39295                        Seq. ID   OJ000228_06.0406.C15
Gene No.      81090                        Strand    -
Start         1                            End       3163
Name          OJ000228_06.0406.C15.o1.np   Method    AAT/NAP
Start         1                            End       2767
GI            5803275                      Score     1265
Exons         1..295, 840..860, 1437..1508, 2013..2093, 2447..2767
GI Descrip.   (AP000399) EST AU056133(S20320) corresponds to a region of the
              predicted gene; similar to Caenorhabditis elegans cosmid D1054;
              hypothetical protein (Z74030) [Oryza sativa]

Seq. No.      39295                        Seq. ID   OJ000228_06.0406.C15
Gene No.      81090                        Strand    -
Start         1                            End       3163
Name          OJ000228_06.0406.C15.o1.gs   Method    GENSCAN
Start         19                           End       2767
GI            none                         Score     .77
Exons         19..295, 840..860, 1437..1508, 2013..2117, 2447..2767

Seq. No.      39295                        Seq. ID   OJ000228_06.0406.C15
Gene No.      81090                        Strand    -
Start         1                            End       3163
Name          OJ000228_06.0406.C15.o1.gp   Method    AAT/GAP
Start         2014                         End       3163
GI            35695_1.R1084                Score     979
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Exons	2014..2093, 2447..2744, 3015..3163		
GI Descrip.	'5803275/dbj|BAA83585.1| 5.0e-64 (AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]'		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81091	Strand	-
Start	6321	End	12078
Name	OJ000228_06.0406.C15.o2.np	Method	AAT/NAP
Start	6312	End	11840
GI	2829902	Score	1749
Exons	6312..6458, 6592..6668, 7008..7571, 8228..8354, 8457..8573, 8690..8797, 10817..11054, 11165..11372, 11449..11497, 11592..11840		
GI Descrip.	(AC002311) Putative sulphate transporter protein#protein [Arabidopsis thaliana]		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81091	Strand	-
Start	6321	End	12078
Name	OJ000228_06.0406.C15.o2.gs	Method	GENSCAN
Start	6321	End	7581
GI	none	Score	.87
Exons	6321..6458, 6592..6701, 7008..7581		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81091	Strand	-
Start	6321	End	12078
Name	OJ000228_06.0406.C15.o3.gp	Method	AAT/GAP
Start	7047	End	8755
GI	9555_1.R1084	Score	1517
Exons	7047..7571, 8228..8354, 8457..8573, 8690..8755		
GI Descrip.	'2829902 4.0e-65 (AC002311) Putative sulphate transporter protein#protein [Arabidopsis thaliana]'		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81091	Strand	-
Start	6321	End	12078
Name	OJ000228_06.0406.C15.o3.gs	Method	GENSCAN
Start	8172	End	12078
GI	none	Score	.77
Exons	8172..8227, 8457..8646, 8690..8797, 10817..11054, 11165..11329, 11449..11591, 11695..12078		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81092	Strand	-
Start	13999	End	14153
Name	OJ000228_06.0406.C15.o4.gp	Method	AAT/GAP
Start	13999	End	14153
GI	2797131	Score	293
Exons	13999..14153		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o4.tm	Method	TBLASTX:Maize

Start	32	End	1395
GI	none	Score	350
Exons	32..298, 48..296, 65..298, 1162..1227, 1178..1228, 1184..1228, 1185..1322, 1185..1247, 1223..1273, 1227..1274, 1228..1287, 1277..1324, 1277..1324, 1324..1395, 1337..1363		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o2.ts	Method	TBLASTX:Soybean
Start	45	End	2735
GI	none	Score	278
Exons	45..233, 47..298, 48..299, 49..306, 50..307, 1401..1511, 1430..1516, 1438..1509, 2004..2105, 2005..2094, 2009..2095, 2432..2734, 2445..2735, 2448..2735		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o2.tm	Method	TBLASTX:Maize
Start	2423	End	2776
GI	none	Score	60
Exons	2423..2500, 2432..2737, 2439..2753, 2579..2776, 2683..2739		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o2.tc	Method	TBLASTX:Cress
Start	2474	End	2731
GI	none	Score	155
Exons	2474..2587, 2475..2585, 2588..2731, 2588..2731		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o1.tm	Method	TBLASTX:Maize
Start	6346	End	7540
GI	none	Score	125
Exons	6346..6459, 6366..6464, 6586..6678, 7012..7239, 7012..7539, 7013..7540		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o1.ts	Method	TBLASTX:Soybean
Start	6366	End	8297
GI	none	Score	416
Exons	6366..6464, 6586..6678, 7009..7572, 7010..7573, 8220..8297, 8227..8295		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o1.tc	Method	TBLASTX:Cress
Start	6408	End	11831
GI	none	Score	70
Exons	6408..6464, 6586..6678, 7009..7605, 7012..7242, 7082..7573,		

7511..7609, 8215..8361, 8220..8360, 8455..8574, 8460..8573, 8739..8798, 10820..11059, 10827..11060, 11164..11370, 11174..11371, 11450..11500, 11454..11498, 11592..11831, 11596..11619, 11677..11796

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o1.tw	Method	TBLASTX:Wheat
Start	7504	End	8558
GI	none	Score	61
Exons	7504..7605, 7517..7573, 8220..8360, 8227..8361, 8455..8502, 8460..8558		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o3.tm	Method	TBLASTX:Maize
Start	8220	End	11226
GI	none	Score	192
Exons	8220..8366, 8227..8361, 8455..8574, 8457..8573, 8678..8797, 8687..8797, 8691..8798, 8721..8798, 10817..11053, 10818..11054, 10869..11054, 10871..11059, 11167..11226, 11174..11224		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o3.ts	Method	TBLASTX:Soybean
Start	10817	End	11356
GI	none	Score	110
Exons	10817..11059, 10836..11060, 10874..11071, 11155..11355, 11168..11356		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o5.tm	Method	TBLASTX:Maize
Start	11227	End	11372
GI	none	Score	149
Exons	11227..11370, 11237..11371, 11316..11372		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o4.ts	Method	TBLASTX:Soybean
Start	11448	End	11834
GI	none	Score	66
Exons	11448..11498, 11450..11503, 11450..11500, 11592..11834, 11596..11619, 11677..11772		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o7.gs	Method	GENSCAN
Start	26190	End	28547
GI	none	Score	.41
Exons	26190..26354, 26434..26525, 26669..26777, 26972..27123,		

28505..28547

Seq. No.	39296	Seq. ID	OJ000228_06.0406.C16
Gene No.	81094	Strand	+
Start	451	End	654
Name	OJ000228_06.0406.C16.ol.gs	Method	GENSCAN
Start	451	End	654
GI	none	Score	.41
Exons	451..654		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.ol.gp	Method	AAT/GAP
Start	1	End	1259
GI	14052_1.R1084	Score	881
Exons	1..90, 212..326, 768..884, 961..1052, 1153..1259		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 3.0e-78 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.ol.np	Method	AAT/NAP
Start	1	End	2632
GI	6453853	Score	1288
Exons	1..90, 212..326, 768..884, 961..1052, 1153..1329, 1454..1528, 1619..1759, 2379..2632		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.ol.tm	Method	TBLASTX:Maize
Start	16	End	2463
GI	none	Score	106
Exons	16..93, 17..88, 31..93, 209..334, 209..334, 211..336, 737..886, 747..887, 939..1055, 940..1053, 962..1057, 1145..1231, 1150..1329, 1153..1284, 1454..1528, 1455..1529, 1459..1530, 1462..1536, 1619..1768, 1620..1769, 1623..1760, 1625..1768, 2349..2462, 2379..2462, 2389..2463		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.ol.ts	Method	TBLASTX:Soybean
Start	16	End	2584
GI	none	Score	99
Exons	16..93, 23..88, 210..329, 212..334, 212..334, 735..887, 737..886, 939..1055, 961..1053, 964..1065, 1139..1324, 1140..1325, 1140..1325, 1141..1332, 1150..1329, 1454..1528, 1455..1529, 1455..1529, 1618..1767, 1619..1768, 1620..1769, 1623..1760, 2379..2570, 2379..2579, 2389..2571, 2408..2584		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19

Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.gs	Method	GENSCAN
Start	19	End	1765
GI	none	Score	.91
Exons	19..153, 212..326, 768..884, 961..1052, 1153..1329, 1454..1528, 1619..1765		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.tw	Method	TBLASTX:Wheat
Start	212	End	1649
GI	none	Score	90
Exons	212..352, 215..334, 286..336, 737..883, 738..887, 773..886, 961..1053, 963..1055, 971..1072, 1140..1328, 1150..1329, 1153..1332, 1447..1524, 1454..1528, 1454..1528, 1455..1529, 1620..1649		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.tc	Method	TBLASTX:Cress
Start	215	End	1769
GI	none	Score	59
Exons	215..334, 242..334, 714..932, 764..880, 828..890, 939..1025, 961..1026, 980..1054, 999..1055, 1000..1053, 1005..1055, 1141..1299, 1150..1329, 1454..1528, 1455..1529, 1619..1768, 1620..1769, 1623..1760, 1631..1768		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o2.tw	Method	TBLASTX:Wheat
Start	1650	End	2547
GI	none	Score	151
Exons	1650..1760, 1651..1761, 1652..1762, 1652..1762, 2352..2546, 2379..2540, 2383..2547		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81096	Strand	+
Start	1	End	1879
Name	OJ000208_01.0403.C7.o1.np	Method	AAT/NAP
Start	1	End	1729
GI	7434426	Score	1531
Exons	1..1729		
GI Descrip.	hypothetical protein F23E13.70 - Arabidopsis thaliana gi|2961377|emb|CAA18124.1| (AL022141) putative receptor protein kinase [Arabidopsis thaliana] gi|7270570|emb|CAB81527.1| (AL161588) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81096	Strand	+
Start	1	End	1879
Name	OJ000208_01.0403.C7.o1.gs	Method	GENSCAN
Start	377	End	1732

GI	none	Score	.8
Exons	377..1732		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81096	Strand	+
Start	1	End	1879
Name	OJ000208_01.0403.C7.o1.gp	Method	AAT/GAP
Start	1371	End	1879
GI	3762285	Score	986
Exons	1371..1879		
GI Descrip.	2961377/emb|CAA18124| 6.0e-30 (AL022141) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81097	Strand	-
Start	2058	End	2336
Name	OJ000208_01.0403.C7.o2.gp	Method	AAT/GAP
Start	2058	End	2336
GI	3762284	Score	519
Exons	2058..2336		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	254	End	1666
GI	none	Score	86
Exons	254..361, 254..427, 254..487, 254..487, 254..433, 254..436, 254..370, 257..424, 257..487, 260..502, 293..439, 980..1081, 1103..1186, 1184..1261, 1343..1507, 1399..1488, 1571..1666		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	254	End	487
GI	none	Score	135
Exons	254..487, 257..487, 257..472, 262..471, 320..427		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	470	End	787
GI	none	Score	64
Exons	470..517, 471..551, 476..604, 605..676, 635..730, 684..722, 716..787, 725..787		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	716	End	1075
GI	none	Score	229
Exons	716..913, 739..912, 752..922, 926..1021, 928..987, 1007..1075, 1051..1074		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o2.tc	Method	TBLASTX:Cress
Start	719	End	979
GI	none	Score	215
Exons	719..940, 739..897, 923..979, 937..978		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	809	End	1474
GI	none	Score	66
Exons	809..895, 932..1006, 950..997, 1031..1069, 1032..1070, 1067..1180, 1181..1273, 1184..1261, 1340..1474, 1340..1459		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o3.ts	Method	TBLASTX:Soybean
Start	1103	End	1687
GI	none	Score	56
Exons	1103..1174, 1184..1261, 1343..1495, 1396..1488, 1595..1687		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o1.tw	Method	TBLASTX:Wheat
Start	1109	End	1510
GI	none	Score	63
Exons	1109..1180, 1184..1261, 1340..1510, 1402..1488		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o2.gs	Method	GENSCAN
Start	2554	End	4320
GI	none	Score	.57
Exons	2554..2667, 2922..3065, 3205..3229, 3780..3875, 4175..4320		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.np	Method	AAT/NAP
Start	524	End	2588
GI	4567262	Score	784
Exons	524..607, 724..748, 841..873, 944..1065, 1166..1296, 1392..1618, 2331..2588		
GI Descrip.	(AC006841) putative ubiquitin fusion-degradation protein [Arabidopsis thaliana]		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	529	End	2425

GI	none	Score	120
Exons	529..603, 530..607, 840..887, 842..868, 936..1064, 939..1064, 943..1068, 946..1068, 1161..1286, 1165..1296, 1166..1297, 1389..1616, 1393..1614, 2342..2425		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	529	End	1518
GI	none	Score	136
Exons	529..606, 530..607, 539..610, 721..747, 721..747, 723..752, 834..887, 840..887, 936..1064, 936..1064, 943..1068, 943..1068, 1165..1305, 1166..1297, 1389..1517, 1393..1518		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	529	End	1249
GI	none	Score	117
Exons	529..606, 530..607, 840..887, 842..868, 936..1037, 943..1038, 946..1038, 1021..1068, 1165..1248, 1166..1249		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.gs	Method	GENSCAN
Start	530	End	2581
GI	none	Score	.88
Exons	530..607, 724..748, 841..873, 944..1065, 1166..1296, 1392..1618, 2325..2393, 2454..2581		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.gp	Method	AAT/GAP
Start	957	End	2478
GI	60213_1.R1084	Score	1145
Exons	957..1065, 1166..1296, 1392..1618, 2325..2478		
GI Descrip.	'2961377/emb|CAA18124| 6.0e-30 (AL022141) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	39300	Seq. ID	OJ000208_01.0403.C14
Gene No.	81100	Strand	+
Start	618	End	870
Name	OJ000208_01.0403.C14.o1.gs	Method	GENSCAN
Start	618	End	870
GI	none	Score	.9
Exons	618..708, 803..870		

Seq. No.	39300	Seq. ID	OJ000208_01.0403.C14
Gene No.	81101	Strand	-
Start	2604	End	2720
Name	OJ000208_01.0403.C14.o2.gs	Method	GENSCAN
Start	2604	End	2720
GI	none	Score	.89

Exons	2604..2720		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	3033
GI	7340884	Score	3769
Exons	1..380, 453..949, 1000..2118, 2286..2336, 2561..2614, 2815..3033		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o4.tm	Method	TBLASTX:Maize
Start	17	End	184
GI	none	Score	173
Exons	17..184, 19..180		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o1.gs	Method	GENSCAN
Start	181	End	3048
GI	none	Score	.42
Exons	181..380, 1023..1388, 1884..2161, 2286..2336, 2561..2670, 2815..3048		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o3.tm	Method	TBLASTX:Maize
Start	187	End	768
GI	none	Score	130
Exons	187..237, 413..748, 421..768, 565..750		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o2.tm	Method	TBLASTX:Maize
Start	965	End	1281
GI	none	Score	156
Exons	965..1186, 967..1191, 973..1212, 1201..1281, 1201..1281		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	1375	End	1884
GI	none	Score	64
Exons	1375..1413, 1406..1474, 1408..1470, 1411..1488, 1486..1737, 1486..1848, 1490..1750, 1804..1884		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81103	Strand	+
Start	572	End	5404

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Name         OJ000208_01.0403.C16.o1.gs      Method    GENSCAN
Start        572                             End       5404
GI           none                            Score     .95
Exons        572..709, 1922..2026, 2159..2602, 2960..2990, 3805..3925,
             4014..4133, 4533..4763, 4838..5404

Seq. No.     39302                           Seq. ID   OJ000208_01.0403.C16
Gene No.     81103                           Strand    +
Start        572                             End       5404
Name         OJ000208_01.0403.C16.o1.gp      Method    AAT/GAP
Start        2117                            End       2445
GI           65727_1.R1084                   Score     612
Exons        2117..2445
GI Descrip.  '2244981/emb|CAB10402.1| 3.0e-15 (Z97340) proline-rich, APG like
             protein [Arabidopsis thaliana]'

Seq. No.     39302                           Seq. ID   OJ000208_01.0403.C16
Gene No.     81103                           Strand    +
Start        572                             End       5404
Name         OJ000208_01.0403.C16.o1.np      Method    AAT/NAP
Start        2256                            End       5395
GI           3695061                         Score     827
Exons        2256..2325, 2375..2436, 2464..2602, 3805..3925, 4014..4133,
             4533..4763, 4838..5192, 5232..5395
GI Descrip.  (AF064788) rac GTPase activating protein 2 [Lotus japonicus]

Seq. No.     39302                           Seq. ID   OJ000208_01.0403.C16
Gene No.     81104                           Strand    +
Start        6232                            End       8807
Name         OJ000208_01.0403.C16.o2.gs      Method    GENSCAN
Start        6232                            End       8719
GI           none                            Score     .81
Exons        6232..6481, 7271..7477, 7557..7687, 7777..8019, 8110..8368,
             8484..8719

Seq. No.     39302                           Seq. ID   OJ000208_01.0403.C16
Gene No.     81104                           Strand    +
Start        6232                            End       8807
Name         OJ000208_01.0403.C16.o2.np      Method    AAT/NAP
Start        7228                            End       8719
GI           7485206                         Score     429
Exons        7228..7477, 7557..7687, 7882..8076, 8155..8368, 8484..8719
GI Descrip.  hypothetical protein - Arabidopsis thaliana
             gi|2244981|emb|CAB10402.1| (Z97340) proline-rich, APG like
             protein [Arabidopsis thaliana] gi|7268372|emb|CAB78665.1|
             (AL161543) proline-rich, APG like protein [Arabidopsis thaliana]

Seq. No.     39302                           Seq. ID   OJ000208_01.0403.C16
Gene No.     81104                           Strand    +
Start        6232                            End       8807
Name         OJ000208_01.0403.C16.o2.gp      Method    AAT/GAP
Start        8296                            End       8807
GI           3759168                         Score     699
Exons        8296..8368, 8484..8807
GI Descrip.  2244981/emb|CAB10402.1| 3.0e-15 (Z97340) proline-rich, APG like
             protein [Arabidopsis thaliana]
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Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81105	Strand	-
Start	8972	End	11451
Name	OJ000208_01.0403.C16.o3.gs	Method	GENSCAN
Start	8972	End	11451
GI	none	Score	.51
Exons	8972..9049, 9170..9645, 9912..10079, 10425..10559, 11268..11451		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o1.tm	Method	TBLASTX:Maize
Start	2485	End	4933
GI	none	Score	122
Exons	2485..2598, 2493..2573, 3802..3918, 3803..3925, 3992..4132, 4017..4133, 4019..4135, 4045..4137, 4529..4759, 4533..4772, 4835..4933, 4837..4932		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o1.tc	Method	TBLASTX:Cress
Start	3812	End	4772
GI	none	Score	136
Exons	3812..3925, 3814..3924, 4016..4132, 4017..4133, 4523..4771, 4533..4772		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o1.ts	Method	TBLASTX:Soybean
Start	4071	End	4939
GI	none	Score	96
Exons	4071..4133, 4073..4183, 4532..4771, 4533..4766, 4586..4768, 4835..4939, 4837..4938		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o1.tw	Method	TBLASTX:Wheat
Start	4548	End	4932
GI	none	Score	270
Exons	4548..4766, 4550..4759, 4653..4769, 4658..4777, 4820..4927, 4835..4927, 4837..4932		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o3.tm	Method	TBLASTX:Maize
Start	5182	End	5392
GI	none	Score	64
Exons	5182..5274, 5183..5248, 5254..5391, 5255..5392		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o2.tc	Method	TBLASTX:Cress

Start	7317	End	7687
GI	none	Score	213
Exons	7317..7478, 7321..7479, 7547..7687		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o2.ts	Method	TBLASTX:Soybean
Start	7317	End	8698
GI	none	Score	117
Exons	7317..7412, 7321..7413, 7423..7485, 7586..7705, 7783..7920, 8086..8286, 8121..8228, 8296..8349, 8570..8698		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o2.tm	Method	TBLASTX:Maize
Start	7320	End	7710
GI	none	Score	222
Exons	7320..7478, 7321..7485, 7546..7710, 7547..7690		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o3.gp	Method	AAT/GAP
Start	11678	End	11951
GI	LIB3432-017-P1-K1-F8	Score	540
Exons	11678..11951		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 3.0e-11 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	39303	Seq. ID	OJ000208_01.0403.C17
Gene No.	81107	Strand	-
Start	85	End	934
Name	OJ000208_01.0403.C17.o1.np	Method	AAT/NAP
Start	85	End	934
GI	6017102	Score	245
Exons	85..312, 390..543, 811..934		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	39303	Seq. ID	OJ000208_01.0403.C17
Gene No.	81107	Strand	-
Start	85	End	934
Name	OJ000208_01.0403.C17.o1.gs	Method	GENSCAN
Start	124	End	911
GI	none	Score	.58
Exons	124..312, 390..427, 521..543, 811..911		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81108	Strand	+
Start	2618	End	4567
Name	OJ000208_01.0403.C18.o2.np	Method	AAT/NAP
Start	2618	End	4567
GI	4218008	Score	140
Exons	2618..2654, 4135..4567		
GI Descrip.	(AC006135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81109	Strand	-
Start	1	End	1154
Name	OJ000208_01.0403.C18.o1.np	Method	AAT/NAP
Start	1	End	1154
GI	6017102	Score	259
Exons	1..19, 718..801, 877..950, 1032..1154		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o1.tc	Method	TBLASTX:Cress
Start	717	End	1154
GI	none	Score	87
Exons	717..752, 876..956, 877..951, 1032..1154, 1033..1149		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o1.tm	Method	TBLASTX:Maize
Start	717	End	1197
GI	none	Score	109
Exons	717..797, 721..801, 721..801, 867..953, 876..959, 1032..1196, 1033..1197		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o2.tm	Method	TBLASTX:Maize
Start	4352	End	4496
GI	none	Score	154
Exons	4352..4492, 4353..4496, 4353..4496		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o1.gp	Method	AAT/GAP
Start	6407	End	8465
GI	none	Score	930
Exons	6407..6603, 6686..6773, 8148..8212, 8289..8465		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o2.gs	Method	GENSCAN
Start	7426	End	8413
GI	none	Score	.5
Exons	7426..7452, 8148..8212, 8289..8413		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.np	Method	AAT/NAP
Start	5317	End	7453
GI	7437166	Score	1973
Exons	5317..6310, 6717..6877, 7067..7198, 7292..7453		

GI Descrip.	1-aminocyclopropane-1-carboxylate synthase (EC 4.4.1.14) 2 - wheat		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.tm	Method	TBLASTX:Maize
Start	5428	End	6013
GI	none	Score	588
Exons	5428..5952, 5429..5953, 5924..6013, 5959..6012		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.ts	Method	TBLASTX:Soybean
Start	5458	End	7457
GI	none	Score	299
Exons	5458..5982, 5474..5983, 5992..6309, 5993..6310, 6713..6877, 6720..6878, 7056..7199, 7067..7201, 7070..7204, 7289..7453, 7296..7457		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.tc	Method	TBLASTX:Cress
Start	5473	End	7432
GI	none	Score	122
Exons	5473..6003, 5474..5614, 5672..5980, 5998..6150, 6151..6312, 6713..6880, 6717..6881, 7067..7201, 7067..7204, 7289..7432, 7292..7387, 7296..7430		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o2.gp	Method	AAT/GAP
Start	5866	End	7173
GI	222_1.R1084	Score	1350
Exons	5866..6310, 6717..6877, 7067..7173		
GI Descrip.	'1419100/emb|CAA81755| 1.0e-137 (Z27242) ACC synthase [Oryza sativa]'		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o3.tm	Method	TBLASTX:Maize
Start	6016	End	6803
GI	none	Score	62
Exons	6016..6309, 6713..6802, 6720..6803		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.tw	Method	TBLASTX:Wheat
Start	6224	End	7156
GI	none	Score	118
Exons	6224..6307, 6226..6309, 6229..6312, 6713..6880, 6720..6881, 7065..7154, 7066..7155, 7067..7156		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o2.gs	Method	GENSCAN
Start	6656	End	7498
GI	none	Score	.8
Exons	6656..6877, 7067..7198, 7292..7498		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o2.tm	Method	TBLASTX:Maize
Start	7118	End	7437
GI	none	Score	94
Exons	7118..7204, 7119..7199, 7289..7432, 7290..7430, 7294..7437		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o3.gp	Method	AAT/GAP
Start	7331	End	7664
GI	71812_1.R1084	Score	627
Exons	7331..7664		
GI Descrip.	'1244715/gb|U42336|TAU42336 2.0e-09 Triticum aestivum ACC synthase (TA-ACS2) gene, complete cds'		

Seq. No.	39306	Seq. ID	OJ000208_01.0403.C20
Gene No.	81112	Strand	-
Start	1008	End	2212
Name	OJ000208_01.0403.C20.o1.gs	Method	GENSCAN
Start	1008	End	2212
GI	none	Score	.45
Exons	1008..1057, 2164..2212		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81113	Strand	+
Start	4992	End	6754
Name	OJ000208_01.0403.C21.o1.np	Method	AAT/NAP
Start	4992	End	6754
GI	3702337	Score	286
Exons	4992..5034, 5896..6216, 6376..6543, 6678..6754		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81113	Strand	+
Start	4992	End	6754
Name	OJ000208_01.0403.C21.o1.gp	Method	AAT/GAP
Start	5843	End	6440
GI	5004582	Score	803
Exons	5843..6216, 6376..6440		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81113	Strand	+
Start	4992	End	6754
Name	OJ000208_01.0403.C21.o2.gs	Method	GENSCAN
Start	5859	End	6715

GI	none	Score	.7
Exons	5859..6216, 6376..6530, 6649..6715		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81114	Strand	-
Start	914	End	4960
Name	OJ000208_01.0403.C21.o1.gs	Method	GENSCAN
Start	914	End	4960
GI	none	Score	.65
Exons	914..1090, 1799..1917, 2107..2139, 2211..2234, 3347..3874, 4718..4845, 4857..4960		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81115	Strand	
Start	5882	End	6714
Name	OJ000208_01.0403.C21.o1.tm	Method	TBLASTX:Maize
Start	5882	End	6714
GI	none	Score	46
Exons	5882..5983, 5994..6149, 6008..6091, 6162..6218, 6171..6221, 6366..6530, 6368..6532, 6369..6530, 6374..6532, 6643..6714, 6643..6711, 6648..6713		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81115	Strand	
Start	5882	End	6714
Name	OJ000208_01.0403.C21.o1.ts	Method	TBLASTX:Soybean
Start	6000	End	6714
GI	none	Score	103
Exons	6000..6089, 6026..6088, 6159..6218, 6344..6532, 6366..6539, 6369..6530, 6646..6714, 6648..6713		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81116	Strand	+
Start	163	End	276
Name	OJ000208_01.0403.C22.o1.gs	Method	GENSCAN
Start	163	End	276
GI	none	Score	.48
Exons	163..276		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81117	Strand	+
Start	5127	End	9969
Name	OJ000208_01.0403.C22.o3.gs	Method	GENSCAN
Start	5127	End	9969
GI	none	Score	.55
Exons	5127..5499, 6169..6445, 6819..6948, 6996..7080, 7086..7528, 7667..7726, 7827..8033, 8144..8447, 8570..8815, 9896..9969		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81117	Strand	+
Start	5127	End	9969
Name	OJ000208_01.0403.C22.o1.gp	Method	AAT/GAP
Start	5390	End	5832
GI	none	Score	850
Exons	5390..5832		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22

Gene No.	81117	Strand	+
Start	5127	End	9969
Name	OJ000208_01.0403.C22.o1.np	Method	AAT/NAP
Start	7093	End	8638
GI	5870600	Score	796
Exons	7093..7528, 7667..7726, 7827..8033, 8144..8269, 8391..8447, 8570..8638		
GI Descrip.	(Y14810) beta-carotene hydroxylase [Lycopersicon esculentum]		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81117	Strand	+
Start	5127	End	9969
Name	OJ000208_01.0403.C22.o2.gp	Method	AAT/GAP
Start	8381	End	8961
GI	2276035	Score	853
Exons	8381..8447, 8570..8961		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81118	Strand	+
Start	10008	End	10664
Name	OJ000208_01.0403.C22.o2.np	Method	AAT/NAP
Start	10008	End	10664
GI	7523502	Score	121
Exons	10008..10100, 10443..10664		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81118	Strand	+
Start	10008	End	10664
Name	OJ000208_01.0403.C22.o3.np	Method	AAT/NAP
Start	10274	End	10664
GI	6539588	Score	137
Exons	10274..10664		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81119	Strand	-
Start	1075	End	2577
Name	OJ000208_01.0403.C22.o2.gs	Method	GENSCAN
Start	1075	End	2577
GI	none	Score	.51
Exons	1075..1254, 2380..2577		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81120	Strand	
Start	7396	End	8455
Name	OJ000208_01.0403.C22.o1.tc	Method	TBLASTX:Cress
Start	7396	End	8455
GI	none	Score	156
Exons	7396..7527, 7397..7528, 7661..7729, 7661..7711, 7666..7728, 7809..7880, 7817..7879, 7836..8030, 7874..8032, 7881..8033, 8116..8262, 8120..8272, 8156..8290, 8385..8447, 8388..8447, 8389..8448, 8393..8449, 8393..8455		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81120	Strand	
Start	7396	End	8455

Name	OJ000208_01.0403.C22.o1.tm	Method	TBLASTX:Maize
Start	7402	End	8449
GI	none	Score	151
Exons	7402..7527, 7403..7528, 7666..7728, 7667..7729, 7799..8032, 7807..7887, 7809..8033, 8120..8272, 8122..8265, 8147..8290, 8385..8447, 8388..8447, 8390..8449		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81120	Strand	
Start	7396	End	8455
Name	OJ000208_01.0403.C22.o1.ts	Method	TBLASTX:Soybean
Start	7835	End	8455
GI	none	Score	340
Exons	7835..8032, 7836..8033, 8116..8262, 8120..8299, 8153..8269, 8385..8447, 8388..8447, 8396..8455		

Seq. No.	39309	Seq. ID	OJ000208_01.0403.C23
Gene No.	81121	Strand	+
Start	2276	End	2391
Name	OJ000208_01.0403.C23.o1.gp	Method	AAT/GAP
Start	2276	End	2391
GI	73436_1.R1084	Score	199
Exons	2276..2391		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81122	Strand	+
Start	80	End	419
Name	OJ000208_01.0403.C24.o1.gp	Method	AAT/GAP
Start	80	End	419
GI	73436_1.R1084	Score	455
Exons	80..277, 364..419		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o1.np	Method	AAT/NAP
Start	3631	End	8509
GI	5922631	Score	4856
Exons	3631..3755, 4014..4258, 4517..4724, 4770..5334, 5377..5527, 5654..6580, 7187..8509		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o5.tw	Method	TBLASTX:Wheat
Start	4938	End	5340

GI	none	Score	303
Exons	4938..5246, 4939..5340		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o1.tw	Method	TBLASTX:Wheat
Start	5920	End	6717
GI	none	Score	136
Exons	5920..6096, 6141..6377, 6145..6375, 6424..6717, 6513..6713		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o4.tm	Method	TBLASTX:Maize
Start	6228	End	6433
GI	none	Score	182
Exons	6228..6374, 6229..6405, 6275..6433		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o3.ts	Method	TBLASTX:Soybean
Start	6637	End	7002
GI	none	Score	145
Exons	6637..6861, 6868..7002		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o6.tw	Method	TBLASTX:Wheat
Start	6718	End	6951
GI	none	Score	261
Exons	6718..6951, 6738..6950		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o2.tm	Method	TBLASTX:Maize
Start	6727	End	7083
GI	none	Score	362
Exons	6727..7083, 6768..7073		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o2.tw	Method	TBLASTX:Wheat
Start	6952	End	7371
GI	none	Score	462
Exons	6952..7371, 6954..7370		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o1.ts	Method	TBLASTX:Soybean
Start	7216	End	7647
GI	none	Score	316

Exons	7216..7647, 7263..7406		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o1.tm	Method	TBLASTX:Maize
Start	7314	End	7758
GI	none	Score	81
Exons	7314..7529, 7314..7568, 7315..7569, 7315..7572, 7590..7721, 7591..7734, 7732..7758		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o3.tw	Method	TBLASTX:Wheat
Start	7416	End	7845
GI	none	Score	412
Exons	7416..7793, 7417..7845		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o2.ts	Method	TBLASTX:Soybean
Start	7881	End	8261
GI	none	Score	69
Exons	7881..7967, 7882..7977, 8013..8261, 8017..8259		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o4.tw	Method	TBLASTX:Wheat
Start	7882	End	8304
GI	none	Score	390
Exons	7882..8304, 7887..8228		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o3.tm	Method	TBLASTX:Maize
Start	7945	End	8208
GI	none	Score	125
Exons	7945..8106, 8110..8208		

Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81124	Strand	+
Start	1	End	331
Name	OJ000208_01.0403.C25.o1.np	Method	AAT/NAP
Start	1	End	331
GI	5902445	Score	465
Exons	1..331		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81125	Strand	-
Start	665	End	2550
Name	OJ000208_01.0403.C25.o1.tw	Method	TBLASTX:Wheat
Start	2	End	277

GI	none	Score	130
Exons	2..178, 185..277		

Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81125	Strand	-
Start	665	End	2550
Name	OJ000208_01.0403.C25.o1.tm	Method	TBLASTX:Maize
Start	20	End	283
GI	none	Score	165
Exons	20..202, 76..201, 181..282, 182..283		

Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81125	Strand	-
Start	665	End	2550
Name	OJ000208_01.0403.C25.o1.gs	Method	GENSCAN
Start	665	End	2550
GI	none	Score	.82
Exons	665..1116, 1366..1555, 1630..1817, 1895..1973, 2127..2253, 2330..2550		

Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81125	Strand	-
Start	665	End	2550
Name	OJ000208_01.0403.C25.o2.np	Method	AAT/NAP
Start	677	End	2504
GI	6691716	Score	1205
Exons	677..1116, 1190..1303, 1453..1555, 1630..1817, 1895..2080, 2153..2253, 2330..2504		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81126	Strand	-
Start	1	End	744
Name	OJ000208_01.0403.C26.o1.np	Method	AAT/NAP
Start	1	End	744
GI	5902448	Score	1255
Exons	1..744		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81126	Strand	-
Start	1	End	744
Name	OJ000208_01.0403.C26.o1.gs	Method	GENSCAN
Start	59	End	744
GI	none	Score	.96
Exons	59..744		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81127	Strand	-
Start	2075	End	8581
Name	OJ000208_01.0403.C26.o2.gs	Method	GENSCAN
Start	2075	End	8581
GI	none	Score	.82
Exons	2075..2293, 2317..3227, 3305..3632, 3716..3870, 4220..4265, 4385..4453, 7807..7939, 8018..8249, 8456..8581		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81127	Strand	-
Start	2075	End	8581
Name	OJ000208_01.0403.C26.o2.np	Method	AAT/NAP
Start	2152	End	4824
GI	1694711	Score	1289
Exons	2152..3227, 3305..3635, 3716..3950, 4071..4249, 4529..4824		
GI Descrip.	(Y09581) FRO1 [Arabidopsis thaliana]		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o1.tw	Method	TBLASTX:Wheat
Start	337	End	624
GI	none	Score	208
Exons	337..624		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o2.ts	Method	TBLASTX:Soybean
Start	2401	End	2671
GI	none	Score	83
Exons	2401..2670, 2417..2671		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o1.tc	Method	TBLASTX:Cress
Start	2503	End	2808
GI	none	Score	74
Exons	2503..2670, 2734..2808		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o1.ts	Method	TBLASTX:Soybean
Start	2806	End	3826
GI	none	Score	61
Exons	2806..2979, 3052..3225, 3073..3249, 3360..3428, 3399..3635, 3415..3624, 3713..3811, 3737..3826		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o1.gp	Method	AAT/GAP
Start	9103	End	9183
GI	3760640	Score	121
Exons	9103..9183		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81129	Strand	+
Start	138	End	240
Name	OJ000208_01.0403.C27.o1.gp	Method	AAT/GAP

Start	138	End	240
GI	LIB3477-003-P1-K1-E9	Score	157
Exons	138..240		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81130	Strand	+
Start	1241	End	3866
Name	OJ000208_01.0403.C27.o1.gs	Method	GENSCAN
Start	1241	End	3766
GI	none	Score	.76
Exons	1241..1425, 1604..1829, 2519..3349, 3597..3766		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81130	Strand	+
Start	1241	End	3866
Name	OJ000208_01.0403.C27.o2.np	Method	AAT/NAP
Start	1606	End	3866
GI	7485270	Score	464
Exons	1606..1667, 2958..3349, 3507..3866		
GI Descrip.	hypothetical protein A_IG005I10.9 - Arabidopsis thaliana gi|2252831|gb|AAB62830.1| (AF013293) A_IG005I10.9 gene product [Arabidopsis thaliana] gi|6049873|gb|AAF02788.1|AF195115_8 (AF195115) F5I10.9 gene product [Arabidopsis thaliana] gi|7267116|emb|CAB80787.1| (AL161471) similarity to [Arabidopsis thaliana]		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81130	Strand	+
Start	1241	End	3866
Name	OJ000208_01.0403.C27.o2.gp	Method	AAT/GAP
Start	3073	End	3747
GI	uC-osrocyp009d11b1	Score	984
Exons	3073..3349, 3507..3747		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81131	Strand	-
Start	366	End	3631
Name	OJ000208_01.0403.C27.o1.np	Method	AAT/NAP
Start	366	End	3518
GI	7486309	Score	190
Exons	366..740, 3498..3518		
GI Descrip.	hypothetical protein F28M11.120 - Arabidopsis thaliana gi|4538984|emb|CAB39772.1| (AL049487) putative protein [Arabidopsis thaliana] gi|7267716|emb|CAB78143.1| (AL161516) putative protein [Arabidopsis thaliana]		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81131	Strand	-
Start	366	End	3631
Name	OJ000208_01.0403.C27.o1.tm	Method	TBLASTX:Maize
Start	2777	End	3631
GI	none	Score	219

Exons	2777..2986, 2778..2987, 2779..2988, 2978..3349, 2982..3350, 3504..3620, 3506..3622, 3508..3621, 3514..3630, 3521..3631		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81132	Strand	
Start	3589	End	3767
Name	OJ000208_01.0403.C27.o1.tw	Method	TBLASTX:Wheat
Start	3589	End	3767
GI	none	Score	63
Exons	3589..3633, 3589..3630, 3603..3764, 3627..3767		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o6.tw	Method	TBLASTX:Wheat
Start	864	End	1256
GI	none	Score	58
Exons	864..911, 918..1016, 923..1015, 983..1222, 999..1256		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o4.tm	Method	TBLASTX:Maize
Start	869	End	1154
GI	none	Score	193
Exons	869..1153, 906..1154		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o3.tw	Method	TBLASTX:Wheat
Start	1994	End	2480
GI	none	Score	407
Exons	1994..2167, 1995..2480, 2189..2449, 2259..2453		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o1.tw	Method	TBLASTX:Wheat
Start	2645	End	3107
GI	none	Score	583
Exons	2645..3100, 2646..3107, 2646..3101		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o3.ts	Method	TBLASTX:Soybean
Start	2685	End	3050
GI	none	Score	117
Exons	2685..2909, 2916..3050		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	2775	End	3131
GI	none	Score	391

Exons	2775..3131, 2810..3121, 2826..3131		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	3158	End	3542
GI	none	Score	365
Exons	3158..3523, 3159..3542		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o2.tw	Method	TBLASTX:Wheat
Start	3215	End	3635
GI	none	Score	495
Exons	3215..3628, 3216..3635		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	3264	End	3665
GI	none	Score	280
Exons	3264..3665, 3311..3454		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o5.tw	Method	TBLASTX:Wheat
Start	4097	End	4531
GI	none	Score	236
Exons	4097..4348, 4112..4321, 4162..4338, 4382..4531, 4391..4528, 4393..4530		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o2.ts	Method	TBLASTX:Soybean
Start	4220	End	4786
GI	5666795	Score	68
Exons	4220..4318, 4394..4531, 4586..4786		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o8.tw	Method	TBLASTX:Wheat
Start	4534	End	4846
GI	none	Score	184
Exons	4534..4710, 4586..4846		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o3.tm	Method	TBLASTX:Maize
Start	5048	End	5362

GI	none	Score	350
Exons	5048..5362, 5083..5349		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o4.tw	Method	TBLASTX:Wheat
Start	5176	End	5557
GI	none	Score	370
Exons	5176..5232, 5177..5557, 5180..5518, 5278..5526		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o7.tw	Method	TBLASTX:Wheat
Start	5558	End	9047
GI	none	Score	269
Exons	5558..5842, 5562..5633, 5563..5661, 5698..5868, 5698..5841, 6034..6156, 6035..6160, 8964..9047		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o5.tm	Method	TBLASTX:Maize
Start	6029	End	6172
GI	none	Score	184
Exons	6029..6172, 6034..6168		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o1.gp	Method	AAT/GAP
Start	12593	End	13719
GI	2139_1.R1084	Score	411
Exons	12593..12749, 13616..13719		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39315	Seq. ID	OJ000108_59.0310.C8
Gene No.	81134	Strand	-
Start	1	End	133
Name	OJ000108_59.0310.C8.o1.gp	Method	AAT/GAP
Start	1	End	133
GI	2139_1.R1084	Score	262
Exons	1..133		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39316	Seq. ID	OJ000108_59.0310.C9
Gene No.	81135	Strand	
Start	3686	End	3885
Name	OJ000108_59.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	3686	End	3885
GI	none	Score	231
Exons	3686..3883, 3687..3719, 3740..3883, 3802..3885		

Seq. No.	39317	Seq. ID	OJ000108_59.0310.C10

Gene No.	81136	Strand	
Start	91	End	321
Name	OJ000108_59.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	91	End	321
GI	none	Score	206
Exons	91..207, 91..204, 92..205, 292..321		

Seq. No.	39317	Seq. ID	OJ000108_59.0310.C10
Gene No.	81137	Strand	
Start	292	End	925
Name	OJ000108_59.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	292	End	735
GI	none	Score	400
Exons	292..597, 348..593, 679..735		

Seq. No.	39317	Seq. ID	OJ000108_59.0310.C10
Gene No.	81137	Strand	
Start	292	End	925
Name	OJ000108_59.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	334	End	597
GI	none	Score	84
Exons	334..423, 430..597, 456..563		

Seq. No.	39317	Seq. ID	OJ000108_59.0310.C10
Gene No.	81137	Strand	
Start	292	End	925
Name	OJ000108_59.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	384	End	925
GI	none	Score	345
Exons	384..596, 385..597, 392..601, 678..740, 679..741, 845..925		

Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o2.tm	Method	TBLASTX:Maize
Start	5199	End	5578
GI	none	Score	43
Exons	5199..5225, 5307..5354, 5316..5357, 5408..5578, 5412..5573		

Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o2.ts	Method	TBLASTX:Soybean
Start	5394	End	5605
GI	5753597	Score	156
Exons	5394..5549, 5408..5605, 5412..5570		
GI Descrip.	-		

Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o1.tc	Method	TBLASTX:Cress
Start	5408	End	5956
GI	none	Score	133
Exons	5408..5593, 5418..5570, 5687..5758, 5691..5744, 5855..5956, 5856..5954		

Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o1.ts	Method	TBLASTX:Soybean
Start	5618	End	6103
GI	none	Score	150
Exons	5618..5758, 5819..6103, 5856..6038, 5861..6046, 6042..6086		

Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o1.tm	Method	TBLASTX:Maize
Start	5775	End	6088
GI	none	Score	397
Exons	5775..6086, 5777..6088		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81139	Strand	
Start	2	End	3464
Name	OJ000108_59.0310.C12.o2.tc	Method	TBLASTX:Cress
Start	2	End	3464
GI	none	Score	97
Exons	2..94, 9..95, 95..196, 3042..3236, 3127..3237, 3324..3356, 3324..3362, 3372..3464		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81139	Strand	
Start	2	End	3464
Name	OJ000108_59.0310.C12.o3.tm	Method	TBLASTX:Maize
Start	2	End	197
GI	none	Score	184
Exons	2..193, 2..196, 3..194, 3..197		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81139	Strand	
Start	2	End	3464
Name	OJ000108_59.0310.C12.o4.ts	Method	TBLASTX:Soybean
Start	5	End	3107
GI	none	Score	135
Exons	5..211, 6..146, 7..147, 150..194, 3042..3107		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81139	Strand	
Start	2	End	3464
Name	OJ000108_59.0310.C12.o2.tm	Method	TBLASTX:Maize
Start	3141	End	3464
GI	none	Score	127
Exons	3141..3236, 3142..3237, 3321..3371, 3337..3375, 3366..3464, 3367..3402		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o1.tc	Method	TBLASTX:Cress
Start	4652	End	5323
GI	none	Score	38
Exons	4652..4729, 4657..4728, 4763..4909, 4764..4910, 4905..5027,		

4907..5026, 5024..5119, 5040..5087, 5129..5323

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	4811	End	5254
GI	none	Score	98
Exons	4811..5119, 5141..5254		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	4907	End	5372
GI	none	Score	115
Exons	4907..5125, 4965..5084, 5138..5362, 5142..5372, 5142..5363		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o1.tw	Method	TBLASTX:Wheat
Start	5060	End	5497
GI	none	Score	59
Exons	5060..5113, 5147..5323, 5190..5324, 5348..5497		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o3.ts	Method	TBLASTX:Soybean
Start	5258	End	5521
GI	none	Score	83
Exons	5258..5521, 5262..5516		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81141	Strand	
Start	5435	End	5887
Name	OJ000108_59.0310.C12.o4.tm	Method	TBLASTX:Maize
Start	5435	End	5857
GI	none	Score	52
Exons	5435..5590, 5621..5749, 5655..5792, 5771..5857, 5775..5843		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81141	Strand	
Start	5435	End	5887
Name	OJ000108_59.0310.C12.o2.ts	Method	TBLASTX:Soybean
Start	5615	End	5884
GI	none	Score	80
Exons	5615..5884, 5649..5828		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81141	Strand	
Start	5435	End	5887
Name	OJ000108_59.0310.C12.o2.tw	Method	TBLASTX:Wheat
Start	5684	End	5887
GI	none	Score	58
Exons	5684..5752, 5694..5750, 5771..5848, 5771..5887		

Seq. No.	39320	Seq. ID	OJ000108_59.0310.C13
Gene No.	81142	Strand	
Start	1336	End	1830
Name	OJ000108_59.0310.C13.o1.tw	Method	TBLASTX:Wheat
Start	1336	End	1830
GI	none	Score	98
Exons	1336..1518, 1534..1830, 1611..1820		

Seq. No.	39320	Seq. ID	OJ000108_59.0310.C13
Gene No.	81142	Strand	
Start	1336	End	1830
Name	OJ000108_59.0310.C13.o1.ts	Method	TBLASTX:Soybean
Start	1348	End	1728
GI	none	Score	116
Exons	1348..1554, 1537..1728		

Seq. No.	39321	Seq. ID	OJ000108_59.0310.C16
Gene No.	81143	Strand	
Start	442	End	770
Name	OJ000108_59.0310.C16.o1.tm	Method	TBLASTX:Maize
Start	442	End	770
GI	none	Score	46
Exons	442..564, 443..565, 543..671, 552..647, 678..755, 678..770, 691..756		

Seq. No.	39322	Seq. ID	OJ000108_59.0310.C21
Gene No.	81144	Strand	
Start	431	End	702
Name	OJ000108_59.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	431	End	678
GI	none	Score	51
Exons	431..511, 443..511, 470..676, 508..678, 508..678		

Seq. No.	39322	Seq. ID	OJ000108_59.0310.C21
Gene No.	81144	Strand	
Start	431	End	702
Name	OJ000108_59.0310.C21.o1.ts	Method	TBLASTX:Soybean
Start	507	End	672
GI	none	Score	171
Exons	507..668, 512..670, 514..672		

Seq. No.	39322	Seq. ID	OJ000108_59.0310.C21
Gene No.	81144	Strand	
Start	431	End	702
Name	OJ000108_59.0310.C21.o1.tc	Method	TBLASTX:Cress
Start	512	End	702
GI	none	Score	236
Exons	512..679, 514..702, 514..702		

Seq. No.	39323	Seq. ID	OJ000108_59.0310.C25
Gene No.	81145	Strand	-
Start	885	End	1100
Name	OJ000108_59.0310.C25.o1.gp	Method	AAT/GAP
Start	885	End	1100
GI	LIB3477-003-P1-K1-E9	Score	126
Exons	885..907, 1024..1100		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	39324	Seq. ID	OJ000108_59.0310.C29
Gene No.	81146	Strand	
Start	729	End	1387
Name	OJ000108_59.0310.C29.o1.tw	Method	TBLASTX:Wheat
Start	729	End	1387
GI	none	Score	262
Exons	729..929, 733..987, 739..975, 1313..1387		

Seq. No.	39324	Seq. ID	OJ000108_59.0310.C29
Gene No.	81146	Strand	
Start	729	End	1387
Name	OJ000108_59.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	769	End	1035
GI	none	Score	214
Exons	769..1035, 769..969		

Seq. No.	39324	Seq. ID	OJ000108_59.0310.C29
Gene No.	81146	Strand	
Start	729	End	1387
Name	OJ000108_59.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	769	End	969
GI	none	Score	209
Exons	769..969, 769..969		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81147	Strand	
Start	591	End	913
Name	OJ000108_59.0310.C35.o1.tm	Method	TBLASTX:Maize
Start	591	End	913
GI	none	Score	264
Exons	591..845, 598..912, 618..911, 746..913		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81148	Strand	
Start	1412	End	2141
Name	OJ000108_59.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	1412	End	2141
GI	none	Score	908
Exons	1412..1873, 1413..2141, 1419..2141		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81148	Strand	
Start	1412	End	2141
Name	OJ000108_59.0310.C35.o3.ts	Method	TBLASTX:Soybean
Start	1413	End	1736
GI	none	Score	120
Exons	1413..1553, 1424..1558, 1565..1609, 1566..1736		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o1.ts	Method	TBLASTX:Soybean
Start	2061	End	2510

GI	5509260	Score	372
Exons	2061..2510, 2156..2380, 2453..2506		
GI Descrip.	-		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o1.tc	Method	TBLASTX:Cress
Start	2154	End	2414
GI	none	Score	273
Exons	2154..2414, 2156..2326		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o2.tm	Method	TBLASTX:Maize
Start	2195	End	2659
GI	none	Score	299
Exons	2195..2506, 2196..2507, 2331..2513, 2537..2659		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o2.tw	Method	TBLASTX:Wheat
Start	2196	End	2962
GI	none	Score	303
Exons	2196..2516, 2213..2236, 2343..2516, 2534..2740, 2608..2730, 2891..2962		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o2.ts	Method	TBLASTX:Soybean
Start	2593	End	2938
GI	none	Score	314
Exons	2593..2793, 2594..2938		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o3.tm	Method	TBLASTX:Maize
Start	2749	End	3046
GI	none	Score	276
Exons	2749..3042, 2750..3046		

Seq. No.	39326	Seq. ID	OJ000108_43.0309.C2
Gene No.	81150	Strand	+
Start	175	End	751
Name	OJ000108_43.0309.C2.o1.gp	Method	AAT/GAP
Start	175	End	751
GI	2310235	Score	298
Exons	175..212, 613..751		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39326	Seq. ID	OJ000108_43.0309.C2
Gene No.	81151	Strand	

Start	964	End	1315
Name	OJ000108_43.0309.C2.o1.tw	Method	TBLASTX:Wheat
Start	964	End	1315
GI	none	Score	103
Exons	964..1071, 1054..1305, 1062..1304, 1064..1315		

Seq. No.	39326	Seq. ID	OJ000108_43.0309.C2
Gene No.	81151	Strand	
Start	964	End	1315
Name	OJ000108_43.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	1087	End	1305
GI	none	Score	238
Exons	1087..1305, 1095..1301		

Seq. No.	39327	Seq. ID	OJ000108_43.0309.C6
Gene No.	81152	Strand	-
Start	7913	End	8125
Name	OJ000108_43.0309.C6.o1.gp	Method	AAT/GAP
Start	7913	End	8125
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	7913..7940, 8051..8125		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o3.tm	Method	TBLASTX:Maize
Start	2658	End	20492
GI	none	Score	77
Exons	2658..2891, 2743..2889, 20409..20492		

Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	2969	End	3335
GI	none	Score	72
Exons	2969..3019, 3037..3135, 3038..3118, 3153..3335		

Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	3066	End	3534
GI	none	Score	52
Exons	3066..3533, 3092..3148, 3172..3534		

Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o1.gp	Method	AAT/GAP
Start	3795	End	4556
GI	20519_1.R1084	Score	788
Exons	3795..3946, 4135..4210, 4337..4556		
GI Descrip.	'1922242/emb|CAA71173| 4.0e-16 (Y10084) hypothetical protein		

[Arabidopsis thaliana]'

Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	4129	End	4428
GI	none	Score	98
Exons	4129..4212, 4330..4428		

Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	4132	End	4425
GI	none	Score	118
Exons	4132..4215, 4134..4217, 4336..4425, 4336..4425		

Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o2.tw	Method	TBLASTX:Wheat
Start	4132	End	4458
GI	none	Score	113
Exons	4132..4212, 4134..4214, 4336..4380, 4336..4380, 4381..4428, 4381..4428, 4426..4458, 4435..4458		

Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o2.gp	Method	AAT/GAP
Start	4446	End	4842
GI	none	Score	601
Exons	4446..4842		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	1997	End	2599
GI	none	Score	64
Exons	1997..2209, 2225..2362, 2372..2476, 2471..2599		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	1997	End	2419
GI	none	Score	301
Exons	1997..2419, 2001..2402		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o2.ts	Method	TBLASTX:Soybean
Start	2000	End	2398
GI	none	Score	53

Exons	2000..2113, 2007..2105, 2123..2398, 2126..2389, 2136..2396		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o2.tw	Method	TBLASTX:Wheat
Start	2024	End	2477
GI	none	Score	63
Exons	2024..2224, 2025..2213, 2240..2392, 2243..2446, 2256..2477		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o2.tm	Method	TBLASTX:Maize
Start	2470	End	2920
GI	none	Score	86
Exons	2470..2721, 2475..2786, 2483..2800, 2493..2786, 2705..2800, 2762..2920, 2832..2912		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o1.tw	Method	TBLASTX:Wheat
Start	2573	End	3352
GI	none	Score	69
Exons	2573..2917, 2738..2956, 3023..3352, 3039..3350		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	2941	End	3331
GI	none	Score	123
Exons	2941..3207, 2983..3207, 2984..3331, 3039..3329		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o3.tm	Method	TBLASTX:Maize
Start	2975	End	3356
GI	none	Score	96
Exons	2975..3355, 3060..3356		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o2.tc	Method	TBLASTX:Cress
Start	3149	End	3355
GI	none	Score	65
Exons	3149..3355, 3183..3350		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81155	Strand	
Start	3353	End	3500
Name	OJ000108_43.0309.C10.o3.tw	Method	TBLASTX:Wheat
Start	3353	End	3500
GI	none	Score	158

Exons	3353..3499, 3354..3500		

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81156	Strand	+
Start	1474	End	1855
Name	OJ000108_43.0309.C13.o1.gp	Method	AAT/GAP
Start	1474	End	1855
GI	uC-osflcyp033a04b1	Score	691
Exons	1474..1855		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81157	Strand	
Start	2556	End	2783
Name	OJ000108_43.0309.C13.o3.tw	Method	TBLASTX:Wheat
Start	2556	End	2783
GI	none	Score	194
Exons	2556..2783, 2558..2782		

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81158	Strand	
Start	3414	End	3869
Name	OJ000108_43.0309.C13.o2.tw	Method	TBLASTX:Wheat
Start	3414	End	3869
GI	none	Score	141
Exons	3414..3596, 3425..3595, 3633..3869, 3635..3859		

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81159	Strand	
Start	4061	End	4493
Name	OJ000108_43.0309.C13.o1.tw	Method	TBLASTX:Wheat
Start	4061	End	4493
GI	none	Score	500
Exons	4061..4492, 4062..4493, 4062..4493		

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81159	Strand	
Start	4061	End	4493
Name	OJ000108_43.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	4191	End	4493
GI	none	Score	361
Exons	4191..4493, 4253..4492		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81160	Strand	
Start	1	End	435
Name	OJ000108_43.0309.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	342
GI	none	Score	229
Exons	1..342		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81160	Strand	
Start	1	End	435
Name	OJ000108_43.0309.C14.o3.tw	Method	TBLASTX:Wheat
Start	3	End	363

GI	none	Score	318
Exons	3..353, 4..363		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81160	Strand	
Start	1	End	435
Name	OJ000108_43.0309.C14.o2.tm	Method	TBLASTX:Maize
Start	9	End	435
GI	none	Score	247
Exons	9..242, 10..264, 283..357, 409..435		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81161	Strand	
Start	363	End	590
Name	OJ000108_43.0309.C14.o5.tw	Method	TBLASTX:Wheat
Start	363	End	590
GI	none	Score	132
Exons	363..494, 364..498, 486..590		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81162	Strand	
Start	4047	End	4421
Name	OJ000108_43.0309.C14.o4.tw	Method	TBLASTX:Wheat
Start	4047	End	4421
GI	none	Score	247
Exons	4047..4421, 4112..4279		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81163	Strand	
Start	4697	End	5083
Name	OJ000108_43.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	4697	End	5002
GI	none	Score	301
Exons	4697..5002, 4714..5001		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81163	Strand	
Start	4697	End	5083
Name	OJ000108_43.0309.C14.o2.tw	Method	TBLASTX:Wheat
Start	4697	End	5083
GI	none	Score	333
Exons	4697..5083, 4705..4893, 4930..5079		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81164	Strand	
Start	5235	End	5811
Name	OJ000108_43.0309.C14.o1.tw	Method	TBLASTX:Wheat
Start	5235	End	5811
GI	none	Score	310
Exons	5235..5303, 5236..5655, 5352..5459, 5680..5811		

Seq. No.	39332	Seq. ID	OJ000108_43.0309.C17
Gene No.	81165	Strand	+
Start	6183	End	6429
Name	OJ000108_43.0309.C17.o1.tc	Method	TBLASTX:Cress
Start	1979	End	2276
GI	none	Score	133

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Exons        1979..2041, 1980..2084, 2186..2275, 2190..2276

Seq. No.     39332                        Seq. ID  OJ000108_43.0309.C17
Gene No.     81165                        Strand   +
Start        6183                         End      6429
Name         OJ000108_43.0309.C17.ol.ts   Method   TBLASTX:Soybean
Start        1979                         End      4913
GI           none                         Score    137
Exons        1979..2041, 1980..2084, 2038..2073, 2190..2282, 2190..2282,
             4626..4679, 4676..4900, 4740..4913

Seq. No.     39332                        Seq. ID  OJ000108_43.0309.C17
Gene No.     81165                        Strand   +
Start        6183                         End      6429
Name         OJ000108_43.0309.C17.ol.tm   Method   TBLASTX:Maize
Start        1980                         End      4919
GI           none                         Score    124
Exons        1980..2084, 2189..2284, 2190..2282, 4626..4679, 4718..4903,
             4725..4913, 4725..4919

Seq. No.     39332                        Seq. ID  OJ000108_43.0309.C17
Gene No.     81165                        Strand   +
Start        6183                         End      6429
Name         OJ000108_43.0309.C17.ol.tw   Method   TBLASTX:Wheat
Start        4626                         End      4913
GI           none                         Score    78
Exons        4626..4679, 4628..4675, 4740..4913, 4766..4903

Seq. No.     39332                        Seq. ID  OJ000108_43.0309.C17
Gene No.     81165                        Strand   +
Start        6183                         End      6429
Name         OJ000108_43.0309.C17.ol.gp   Method   AAT/GAP
Start        6183                         End      6429
GI           1103_1.R1084                 Score    463
Exons        6183..6429
GI Descrip.  '131225/sp|P23993|PSAL_HORVU 7.0e-95 PHOTOSYSTEM I REACTION
             CENTRE SUBUNIT XI PRECURSOR (SUBUNIT V) (PSI-L)
             >gi_100605_pir__A39759 photosystem I 18K protein precursor -
             barley >gi_167087 (M61146) photosystem I hydrophobic protein
             [Hordeum vulgare]'

Seq. No.     39333                        Seq. ID  OJ000108_43.0309.C18
Gene No.     81166                        Strand   -
Start        1                            End      694
Name         OJ000108_43.0309.C18.ol.gp   Method   AAT/GAP
Start        1                            End      694
GI           1103_1.R1084                 Score    1384
Exons        1..694
GI Descrip.  '131225/sp|P23993|PSAL_HORVU 7.0e-95 PHOTOSYSTEM I REACTION
             CENTRE SUBUNIT XI PRECURSOR (SUBUNIT V) (PSI-L)
             >gi_100605_pir__A39759 photosystem I 18K protein precursor -
             barley >gi_167087 (M61146) photosystem I hydrophobic protein
             [Hordeum vulgare]'

Seq. No.     39333                        Seq. ID  OJ000108_43.0309.C18
Gene No.     81166                        Strand   -
Start        1                            End      694
```

```
Name           OJ000108_43.0309.C18.o1.ts      Method    TBLASTX:Soybean
Start          1                               End       457
GI             none                            Score     569
Exons          1..456, 2..457

Seq. No.       39333                           Seq. ID   OJ000108_43.0309.C18
Gene No.       81166                           Strand    -
Start          1                               End       694
Name           OJ000108_43.0309.C18.o1.tc      Method    TBLASTX:Cress
Start          1                               End       448
GI             none                            Score     530
Exons          1..447, 2..448

Seq. No.       39333                           Seq. ID   OJ000108_43.0309.C18
Gene No.       81166                           Strand    -
Start          1                               End       694
Name           OJ000108_43.0309.C18.o1.tm      Method    TBLASTX:Maize
Start          1                               End       459
GI             none                            Score     623
Exons          1..459, 2..445

Seq. No.       39334                           Seq. ID   OJ000108_43.0309.C20
Gene No.       81167                           Strand    -
Start          2815                            End       2897
Name           OJ000108_43.0309.C20.o1.gp      Method    AAT/GAP
Start          2815                            End       2897
GI             38012_1.R1084                   Score     104
Exons          2815..2897
GI Descrip.    '4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa
               beta-1,3-glucanase precursor (Gns9) gene, complete cds'

Seq. No.       39334                           Seq. ID   OJ000108_43.0309.C20
Gene No.       81168                           Strand    -
Start          9135                            End       9283
Name           OJ000108_43.0309.C20.o2.gp      Method    AAT/GAP
Start          9135                            End       9283
GI             uC-osflcyp177g01a1              Score     244
Exons          9135..9283
GI Descrip.    '4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water
               channel protein MipH [Mesembryanthemum crystallinum]'

Seq. No.       39334                           Seq. ID   OJ000108_43.0309.C20
Gene No.       81169                           Strand
Start          10700                           End       10990
Name           OJ000108_43.0309.C20.o4.tw      Method    TBLASTX:Wheat
Start          10700                           End       10990
GI             none                            Score     217
Exons          10700..10990, 10840..10953

Seq. No.       39334                           Seq. ID   OJ000108_43.0309.C20
Gene No.       81170                           Strand
Start          13871                           End       14528
Name           OJ000108_43.0309.C20.o2.tw      Method    TBLASTX:Wheat
Start          13871                           End       14485
GI             none                            Score     80
Exons          13871..14008, 13994..14152, 14207..14485, 14223..14324,
               14376..14465
```

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81170	Strand	
Start	13871	End	14528
Name	OJ000108_43.0309.C20.o2.tm	Method	TBLASTX:Maize
Start	13910	End	14143
GI	none	Score	88
Exons	13910..14011, 13911..14012, 13991..14143, 13992..14051		

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81170	Strand	
Start	13871	End	14528
Name	OJ000108_43.0309.C20.o3.tm	Method	TBLASTX:Maize
Start	14255	End	14528
GI	none	Score	56
Exons	14255..14341, 14351..14434, 14364..14438, 14421..14528, 14429..14527		

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81171	Strand	
Start	14600	End	14992
Name	OJ000108_43.0309.C20.o1.tw	Method	TBLASTX:Wheat
Start	14600	End	14987
GI	none	Score	109
Exons	14600..14785, 14600..14986, 14676..14987		

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81171	Strand	
Start	14600	End	14992
Name	OJ000108_43.0309.C20.o1.tm	Method	TBLASTX:Maize
Start	14669	End	14992
GI	none	Score	278
Exons	14669..14992, 14682..14972		

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81172	Strand	
Start	15224	End	15605
Name	OJ000108_43.0309.C20.o3.tw	Method	TBLASTX:Wheat
Start	15224	End	15605
GI	none	Score	68
Exons	15224..15424, 15424..15519, 15428..15523, 15516..15605, 15517..15585		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81173	Strand	+
Start	3756	End	4042
Name	OJ000108_43.0309.C21.o1.gp	Method	AAT/GAP
Start	3756	End	4042
GI	5816559	Score	453
Exons	3756..4042		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81174	Strand	+
Start	5539	End	5681

Name	OJ000108_43.0309.C21.o2.gp	Method	AAT/GAP
Start	5539	End	5681
GI	21474_1.R1084	Score	247
Exons	5539..5681		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o6.tw	Method	TBLASTX:Wheat
Start	2	End	236
GI	none	Score	106
Exons	2..235, 3..236		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o1.tm	Method	TBLASTX:Maize
Start	206	End	562
GI	none	Score	82
Exons	206..499, 206..562, 216..521		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o1.tw	Method	TBLASTX:Wheat
Start	236	End	692
GI	none	Score	271
Exons	236..691, 237..692		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o1.ts	Method	TBLASTX:Soybean
Start	287	End	652
GI	none	Score	138
Exons	287..421, 428..652		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o3.tw	Method	TBLASTX:Wheat
Start	912	End	1369
GI	none	Score	154
Exons	912..1148, 914..1144, 1193..1369		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o2.tm	Method	TBLASTX:Maize
Start	914	End	1061
GI	none	Score	114
Exons	914..1060, 915..1061		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-

Start	11362	End	12950
Name	OJ000108_43.0309.C21.o4.tw	Method	TBLASTX:Wheat
Start	1946	End	2348
GI	none	Score	117
Exons	1946..2347, 2079..2348		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o7.tw	Method	TBLASTX:Wheat
Start	6709	End	7231
GI	none	Score	68
Exons	6709..6780, 6880..7062, 6887..7012, 7151..7231		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o5.tw	Method	TBLASTX:Wheat
Start	8682	End	9085
GI	none	Score	84
Exons	8682..8852, 8815..8982, 8847..9083, 8934..9083, 8945..9085, 8975..9085		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o3.gp	Method	AAT/GAP
Start	11362	End	12950
GI	342_1.R1084	Score	2377
Exons	11362..11883, 11993..12088, 12171..12190, 12226..12950		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o2.tw	Method	TBLASTX:Wheat
Start	12373	End	12939
GI	none	Score	52
Exons	12373..12465, 12374..12439, 12454..12534, 12471..12542, 12547..12687, 12548..12688, 12635..12730, 12667..12726, 12733..12777, 12738..12773, 12772..12939, 12788..12931		

Seq. No.	39336	Seq. ID	OJ000108_43.0309.C22
Gene No.	81176	Strand	-
Start	1	End	1097
Name	OJ000108_43.0309.C22.o1.gp	Method	AAT/GAP
Start	1	End	1097
GI	342_1.R1084	Score	2005
Exons	1..1097		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	39336	Seq. ID	OJ000108_43.0309.C22
Gene No.	81176	Strand	-
Start	1	End	1097
Name	OJ000108_43.0309.C22.o3.tw	Method	TBLASTX:Wheat

```
Start         3                              End      204
GI            none                           Score    201
Exons         3..203, 4..204, 10..204

Seq. No.      39336                          Seq. ID  OJ000108_43.0309.C22
Gene No.      81176                          Strand   -
Start         1                              End      1097
Name          OJ000108_43.0309.C22.o1.tw     Method   TBLASTX:Wheat
Start         205                            End      654
GI            none                           Score    113
Exons         205..330, 207..335, 207..329, 363..581, 403..585, 591..653,
              604..654

Seq. No.      39336                          Seq. ID  OJ000108_43.0309.C22
Gene No.      81176                          Strand   -
Start         1                              End      1097
Name          OJ000108_43.0309.C22.o1.ts     Method   TBLASTX:Soybean
Start         687                            End      929
GI            none                           Score    59
Exons         687..929, 739..843

Seq. No.      39336                          Seq. ID  OJ000108_43.0309.C22
Gene No.      81176                          Strand   -
Start         1                              End      1097
Name          OJ000108_43.0309.C22.o1.tm     Method   TBLASTX:Maize
Start         759                            End      1097
GI            none                           Score    141
Exons         759..953, 963..1097

Seq. No.      39336                          Seq. ID  OJ000108_43.0309.C22
Gene No.      81176                          Strand   -
Start         1                              End      1097
Name          OJ000108_43.0309.C22.o2.tw     Method   TBLASTX:Wheat
Start         793                            End      1097
GI            none                           Score    173
Exons         793..999, 793..1002, 798..1022, 1002..1097, 1003..1080

Seq. No.      39337                          Seq. ID  OJ000108_43.0309.C26
Gene No.      81177                          Strand   +
Start         5166                           End      6571
Name          OJ000108_43.0309.C26.o3.gp     Method   AAT/GAP
Start         5166                           End      6571
GI            43425_1.R1084                  Score    946
Exons         5166..5381, 5649..5707, 5816..5891, 5980..6051, 6147..6234,
              6543..6571
GI Descrip.   '1362162/pir||A57512 3.0e-51 beta-glucosidase BGQ60 precursor -
              barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]'

Seq. No.      39337                          Seq. ID  OJ000108_43.0309.C26
Gene No.      81178                          Strand   +
Start         6695                           End      7433
Name          OJ000108_43.0309.C26.o4.gp     Method   AAT/GAP
Start         6695                           End      7433
GI            uC-osflcyp157d12b1             Score    805
Exons         6695..6790, 6887..6998, 7089..7300, 7398..7433
GI Descrip.   '1362162/pir||A57512 3.0e-38 beta-glucosidase BGQ60 precursor -
              barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]'
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Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81179	Strand	+
Start	7584	End	8219
Name	OJ000108_43.0309.C26.o5.gp	Method	AAT/GAP
Start	7584	End	8219
GI	37107_1.R1084	Score	952
Exons	7584..7610, 7725..8219		
GI Descrip.	'1362162/pir||A57512 2.0e-28 beta-glucosidase BGQ60 precursor - barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]'		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81180	Strand	+
Start	9223	End	10108
Name	OJ000108_43.0309.C26.o6.gp	Method	AAT/GAP
Start	9223	End	10108
GI	1450_1.R1084	Score	763
Exons	9223..9353, 9450..9590, 9687..9773, 10018..10108		
GI Descrip.	'4337177/gb|AAD18098| 1.0e-163 (AC006416) Identical to gb_Y10557 g5bf gene from Arabidopsis thaliana. ESTs gb_R30578, gb_R90475, gb_T22384, gb_T22425, gb_N64934 and gb_T46767 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131
Name	OJ000108_43.0309.C26.o2.ts	Method	TBLASTX:Soybean
Start	1079	End	2044
GI	none	Score	65
Exons	1079..1195, 1133..1195, 1137..1196, 1268..1351, 1273..1350, 1278..1352, 1485..1568, 1486..1572, 1642..1737, 1644..1739, 1841..1900, 1985..2044		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131
Name	OJ000108_43.0309.C26.o4.tm	Method	TBLASTX:Maize
Start	1088	End	2053
GI	none	Score	56
Exons	1088..1195, 1266..1352, 1443..1568, 1486..1581, 1642..1737, 1644..1736, 1841..1900, 1985..2053		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131
Name	OJ000108_43.0309.C26.o1.gp	Method	AAT/GAP
Start	1137	End	1891
GI	5532_1.R1084	Score	543
Exons	1137..1198, 1278..1349, 1494..1565, 1644..1736, 1833..1891		
GI Descrip.	'2131161/pir||S67800 4.0e-49 4-nitrophenylphosphatase (EC 3.1.3.41) - yeast (Saccharomyces cerevisiae) >gi_1431400_emb_CAA98816_ (Z74284) ORF YDL236w [Saccharomyces cerevisiae]'		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131

Name	OJ000108_43.0309.C26.o2.tc	Method	TBLASTX:Cress
Start	1503	End	2107
GI	none	Score	135
Exons	1503..1550, 1642..1737, 1644..1739, 1841..1900, 1985..2107		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131
Name	OJ000108_43.0309.C26.o2.gp	Method	AAT/GAP
Start	1653	End	2131
GI	none	Score	518
Exons	1653..1736, 1833..1904, 1987..2131		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o3.tc	Method	TBLASTX:Cress
Start	5254	End	6723
GI	none	Score	162
Exons	5254..5391, 5255..5389, 5648..5725, 5813..5920, 5982..6044, 6149..6235, 6543..6605, 6544..6681, 6546..6623, 6696..6722, 6697..6723		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o1.ts	Method	TBLASTX:Soybean
Start	5255	End	7984
GI	none	Score	169
Exons	5255..5416, 5263..5382, 5648..5725, 5813..5920, 5982..6044, 6148..6240, 6149..6235, 6543..6677, 6544..6681, 6546..6623, 6547..6678, 6696..6785, 6696..6788, 6697..6795, 6877..6999, 6891..6929, 7090..7239, 7119..7229, 7403..7438, 7477..7614, 7505..7612, 7723..7782, 7724..7984, 7810..7974		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o3.tm	Method	TBLASTX:Maize
Start	5255	End	6244
GI	none	Score	156
Exons	5255..5404, 5257..5382, 5647..5700, 5648..5725, 5813..5890, 5813..5887, 5815..5889, 5964..6068, 5982..6044, 6149..6244, 6154..6243		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o1.tm	Method	TBLASTX:Maize
Start	6544	End	8002
GI	none	Score	328
Exons	6544..6792, 6547..6795, 6871..6999, 6877..6999, 6882..7001, 7074..7301, 7078..7299, 7089..7301, 7394..7429, 7477..7614, 7486..7608, 7505..7612, 7723..7998, 7724..7993, 7724..8002		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	

Start	5254	End	8002
Name	OJ000108_43.0309.C26.o1.tc	Method	TBLASTX:Cress
Start	6883	End	7987
GI	none	Score	76
Exons	6883..6999, 7090..7242, 7098..7235, 7505..7612, 7513..7614, 7724..7987, 7732..7788, 7813..7974		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o2.tw	Method	TBLASTX:Wheat
Start	7544	End	7990
GI	none	Score	68
Exons	7544..7612, 7567..7614, 7723..7980, 7724..7990		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81183	Strand	
Start	9256	End	10112
Name	OJ000108_43.0309.C26.o2.tm	Method	TBLASTX:Maize
Start	9256	End	10110
GI	none	Score	63
Exons	9256..9345, 9263..9349, 9474..9593, 9476..9592, 9684..9734, 9686..9784, 9687..9776, 10001..10102, 10016..10102, 10017..10106, 10017..10109, 10018..10110		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81183	Strand	
Start	9256	End	10112
Name	OJ000108_43.0309.C26.o1.tw	Method	TBLASTX:Wheat
Start	9452	End	10052
GI	none	Score	217
Exons	9452..9592, 9453..9593, 9486..9593, 9678..9776, 9686..9784, 9687..9776, 10005..10052		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81183	Strand	
Start	9256	End	10112
Name	OJ000108_43.0309.C26.o4.tc	Method	TBLASTX:Cress
Start	9498	End	10112
GI	none	Score	128
Exons	9498..9593, 9500..9601, 9513..9590, 9515..9616, 9683..9769, 9687..9776, 9994..10107, 10018..10110, 10026..10112		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81183	Strand	
Start	9256	End	10112
Name	OJ000108_43.0309.C26.o3.ts	Method	TBLASTX:Soybean
Start	9498	End	10110
GI	none	Score	134
Exons	9498..9593, 9512..9613, 9686..9769, 9687..9776, 10018..10110, 10023..10109		

Seq. No.	39338	Seq. ID	OJ000108_43.0309.C27
Gene No.	81184	Strand	+
Start	1	End	591
Name	OJ000108_43.0309.C27.o1.gp	Method	AAT/GAP
Start	1	End	591

GI	1450_1.R1084	Score	913
Exons	1..50, 156..591		
GI Descrip.	'4337177/gb|AAD18098| 1.0e-163 (AC006416) Identical to gb_Y10557 g5bf gene from Arabidopsis thaliana. ESTs gb_R30578, gb_R90475, gb_T22384, gb_T22425, gb_N64934 and gb_T46767 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39338	Seq. ID	OJ000108_43.0309.C27
Gene No.	81184	Strand	+
Start	1	End	591
Name	OJ000108_43.0309.C27.o1.ts	Method	TBLASTX:Soybean
Start	2	End	339
GI	none	Score	86
Exons	2..49, 3..50, 149..226, 153..224, 223..339, 224..331		

Seq. No.	39338	Seq. ID	OJ000108_43.0309.C27
Gene No.	81184	Strand	+
Start	1	End	591
Name	OJ000108_43.0309.C27.o1.tc	Method	TBLASTX:Cress
Start	3	End	322
GI	none	Score	85
Exons	3..50, 5..46, 153..224, 155..226, 223..321, 224..322		

Seq. No.	39338	Seq. ID	OJ000108_43.0309.C27
Gene No.	81184	Strand	+
Start	1	End	591
Name	OJ000108_43.0309.C27.o1.tm	Method	TBLASTX:Maize
Start	3	End	354
GI	none	Score	85
Exons	3..50, 5..49, 148..225, 149..226, 153..224, 223..354, 226..330		

Seq. No.	39339	Seq. ID	OJ000108_43.0309.C29
Gene No.	81185	Strand	-
Start	523	End	952
Name	OJ000108_43.0309.C29.o2.gp	Method	AAT/GAP
Start	523	End	952
GI	2428185	Score	801
Exons	523..952		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	39339	Seq. ID	OJ000108_43.0309.C29
Gene No.	81186	Strand	-
Start	970	End	1704
Name	OJ000108_43.0309.C29.o3.gp	Method	AAT/GAP
Start	970	End	1704
GI	101153_1.R1084	Score	568
Exons	970..1198, 1515..1704		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39340	Seq. ID	OJ000108_43.0309.C30
Gene No.	81187	Strand	
Start	639	End	1909
Name	OJ000108_43.0309.C30.o1.tc	Method	TBLASTX:Cress
Start	639	End	1873
GI	none	Score	160

Exons	639..857, 897..1310, 1665..1811, 1670..1873, 1672..1785, 1673..1855		

Seq. No.	39340	Seq. ID	OJ000108_43.0309.C30
Gene No.	81187	Strand	
Start	639	End	1909
Name	OJ000108_43.0309.C30.o1.ts	Method	TBLASTX:Soybean
Start	1660	End	1873
GI	none	Score	157
Exons	1660..1719, 1661..1780, 1661..1771, 1753..1782, 1787..1873		

Seq. No.	39340	Seq. ID	OJ000108_43.0309.C30
Gene No.	81187	Strand	
Start	639	End	1909
Name	OJ000108_43.0309.C30.o1.tm	Method	TBLASTX:Maize
Start	1670	End	1873
GI	none	Score	202
Exons	1670..1873		

Seq. No.	39340	Seq. ID	OJ000108_43.0309.C30
Gene No.	81187	Strand	
Start	639	End	1909
Name	OJ000108_43.0309.C30.o1.tw	Method	TBLASTX:Wheat
Start	1670	End	1909
GI	none	Score	233
Exons	1670..1909, 1672..1794		

Seq. No.	39341	Seq. ID	OJ000108_43.0309.C31
Gene No.	81188	Strand	-
Start	3367	End	3748
Name	OJ000108_43.0309.C31.o1.gp	Method	AAT/GAP
Start	3367	End	3748
GI	uC-osflcyp033a04b1	Score	655
Exons	3367..3748		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o6.tw	Method	TBLASTX:Wheat
Start	490	End	823
GI	none	Score	104
Exons	490..822, 532..819, 557..823		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.tm	Method	TBLASTX:Maize
Start	670	End	1269
GI	none	Score	220
Exons	670..1110, 686..1108, 1108..1269, 1115..1261		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.tw	Method	TBLASTX:Wheat

Start	823	End	1449
GI	none	Score	61
Exons	823..1449, 826..948, 935..1393		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o4.tm	Method	TBLASTX:Maize
Start	1318	End	1610
GI	none	Score	195
Exons	1318..1608, 1322..1609, 1455..1610		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o2.ts	Method	TBLASTX:Soybean
Start	1408	End	1668
GI	none	Score	127
Exons	1408..1668, 1409..1663		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.tc	Method	TBLASTX:Cress
Start	1432	End	1749
GI	none	Score	83
Exons	1432..1575, 1433..1573, 1576..1749		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o2.tw	Method	TBLASTX:Wheat
Start	1456	End	2023
GI	none	Score	321
Exons	1456..1992, 1457..2023		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o2.tm	Method	TBLASTX:Maize
Start	2014	End	2377
GI	none	Score	163
Exons	2014..2376, 2023..2376, 2075..2377		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o3.tw	Method	TBLASTX:Wheat
Start	2026	End	2448
GI	none	Score	219
Exons	2026..2448, 2038..2385, 2060..2416		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o3.ts	Method	TBLASTX:Soybean
Start	2197	End	2442

GI	none	Score	94
Exons	2197..2442, 2198..2425		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o3.tm	Method	TBLASTX:Maize
Start	2413	End	2913
GI	none	Score	46
Exons	2413..2727, 2456..2506, 2529..2585, 2734..2913, 2786..2905		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o5.tw	Method	TBLASTX:Wheat
Start	2449	End	2751
GI	none	Score	248
Exons	2449..2751, 2465..2740, 2679..2750		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.ts	Method	TBLASTX:Soybean
Start	2464	End	2859
GI	none	Score	172
Exons	2464..2823, 2465..2740, 2786..2821, 2827..2859, 2828..2857		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o4.tw	Method	TBLASTX:Wheat
Start	2800	End	3286
GI	none	Score	267
Exons	2800..3177, 2843..3286, 3232..3282		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o2.tc	Method	TBLASTX:Cress
Start	2836	End	3153
GI	none	Score	61
Exons	2836..3153, 2983..3123		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o5.tm	Method	TBLASTX:Maize
Start	2981	End	3271
GI	none	Score	184
Exons	2981..3271, 2983..3270		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o8.tw	Method	TBLASTX:Wheat
Start	3451	End	3819
GI	none	Score	68

Exons	3451..3564, 3452..3565, 3610..3819, 3611..3784		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o7.tw	Method	TBLASTX:Wheat
Start	4127	End	4478
GI	none	Score	94
Exons	4127..4477, 4284..4478		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o6.tm	Method	TBLASTX:Maize
Start	4172	End	4477
GI	none	Score	79
Exons	4172..4477, 4347..4463		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o9.tw	Method	TBLASTX:Wheat
Start	4520	End	4711
GI	none	Score	111
Exons	4520..4711, 4521..4688		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.gp	Method	AAT/GAP
Start	6894	End	7275
GI	uC-osflcyp033a04b1	Score	659
Exons	6894..7275		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81190	Strand	
Start	19199	End	19444
Name	OJ000108_43.0309.C33.o2.ts	Method	TBLASTX:Soybean
Start	19199	End	19444
GI	none	Score	234
Exons	19199..19444, 19246..19329		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81191	Strand	
Start	21841	End	22149
Name	OJ000108_43.0309.C33.o4.tw	Method	TBLASTX:Wheat
Start	21841	End	22149
GI	none	Score	81
Exons	21841..21936, 21843..21935, 21927..22067, 21985..22149		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81192	Strand	
Start	23092	End	23488
Name	OJ000108_43.0309.C33.o3.tw	Method	TBLASTX:Wheat
Start	23092	End	23488

GI	none	Score	136
Exons	23092..23301, 23096..23266, 23282..23398, 23401..23463, 23402..23488, 23402..23482		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81193	Strand	
Start	23700	End	24183
Name	OJ000108_43.0309.C33.o1.tw	Method	TBLASTX:Wheat
Start	23700	End	24153
GI	none	Score	66
Exons	23700..23768, 23708..23767, 23759..23788, 23793..24152, 23794..24153		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81193	Strand	
Start	23700	End	24183
Name	OJ000108_43.0309.C33.o1.tm	Method	TBLASTX:Maize
Start	23830	End	24183
GI	none	Score	380
Exons	23830..24183, 23869..24132, 23889..24173		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81194	Strand	
Start	24211	End	24747
Name	OJ000108_43.0309.C33.o2.tm	Method	TBLASTX:Maize
Start	24211	End	24594
GI	none	Score	312
Exons	24211..24594, 24363..24590		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81194	Strand	
Start	24211	End	24747
Name	OJ000108_43.0309.C33.o2.tw	Method	TBLASTX:Wheat
Start	24268	End	24690
GI	none	Score	409
Exons	24268..24690, 24366..24686		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81194	Strand	
Start	24211	End	24747
Name	OJ000108_43.0309.C33.o1.ts	Method	TBLASTX:Soybean
Start	24322	End	24747
GI	none	Score	282
Exons	24322..24747, 24354..24521, 24558..24593, 24573..24719		

Seq. No.	39344	Seq. ID	OJ000118_24.0307.C3
Gene No.	81195	Strand	-
Start	345	End	709
Name	OJ000118_24.0307.C3.o1.gs	Method	GENSCAN
Start	345	End	709
GI	none	Score	.6
Exons	345..493, 520..709		

Seq. No.	39345	Seq. ID	OJ000118_24.0307.C4
Gene No.	81196	Strand	+
Start	433	End	1777
Name	OJ000118_24.0307.C4.o1.np	Method	AAT/NAP

Start	433	End	1777
GI	6630699	Score	93
Exons	433..465, 748..774, 1673..1777		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39345	Seq. ID	OJ000118_24.0307.C4
Gene No.	81197	Strand	+
Start	1904	End	4359
Name	OJ000118_24.0307.C4.o2.np	Method	AAT/NAP
Start	1904	End	4359
GI	6539570	Score	199
Exons	1904..2107, 2288..2365, 2639..2973, 4316..4359		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39345	Seq. ID	OJ000118_24.0307.C4
Gene No.	81198	Strand	-
Start	4937	End	7025
Name	OJ000118_24.0307.C4.o3.np	Method	AAT/NAP
Start	4937	End	7025
GI	4835795	Score	77
Exons	4937..4966, 6897..7025		
GI Descrip.	(AC007296) F25C20.23 [Arabidopsis thaliana]		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81199	Strand	+
Start	109	End	5467
Name	OJ000118_24.0307.C5.o1.gs	Method	GENSCAN
Start	109	End	5270
GI	none	Score	.94
Exons	109..231, 1400..1517, 1572..1761, 1868..1973, 2088..2129, 2637..2816, 2890..3054, 3336..3536, 3627..3926, 4167..4367, 4450..4584, 4866..5270		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81199	Strand	+
Start	109	End	5467
Name	OJ000118_24.0307.C5.o1.gp	Method	AAT/GAP
Start	1590	End	5467
GI	59_1.R1084	Score	3536
Exons	1590..1761, 1868..1973, 2088..2129, 2637..2816, 2890..3054, 3336..3536, 3627..3926, 4167..4367, 4450..4584, 4866..5467		
GI Descrip.	'3288883/dbj|BAA31260| 0.0e+00 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81199	Strand	+
Start	109	End	5467
Name	OJ000118_24.0307.C5.o1.np	Method	AAT/NAP
Start	1896	End	5018
GI	3288883	Score	2158
Exons	1896..1973, 2088..2129, 2637..2816, 2890..3054, 3336..3536, 3627..3926, 4167..4367, 4450..4584, 4866..5018		
GI Descrip.	(AB015431) SAR DNA binding protein [Oryza sativa]		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5

Gene No.	81199	Strand	+
Start	109	End	5467
Name	OJ000118_24.0307.C5.o2.np	Method	AAT/NAP
Start	2747	End	5177
GI	7451352	Score	1455
Exons	2747..2816, 2890..3054, 3336..3536, 3630..3926, 4167..4367, 4450..4584, 4866..5177		
GI Descrip.	SAR DNA-binding protein 2 - garden pea gi|3132698|gb|AAC16331.1| (AF061963) SAR DNA-binding protein-2 [Pisum sativum]		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o1.tw	Method	TBLASTX:Wheat
Start	1751	End	2762
GI	none	Score	75
Exons	1751..1780, 1874..1936, 1881..1973, 1884..1973, 2087..2131, 2088..2132, 2634..2762, 2636..2761		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o2.tc	Method	TBLASTX:Cress
Start	1881	End	3407
GI	none	Score	97
Exons	1881..1973, 1887..1973, 2087..2128, 2088..2132, 2634..2816, 2639..2815, 2889..3056, 2889..3056, 2890..3093, 3321..3407, 3333..3407		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o1.tm	Method	TBLASTX:Maize
Start	1884	End	5244
GI	none	Score	134
Exons	1884..1973, 1893..1973, 2087..2131, 2088..2132, 2631..2816, 2634..2816, 2636..2830, 2636..2830, 2886..3059, 2889..3056, 2890..3093, 2890..3057, 3328..3537, 3333..3545, 3333..3539, 3614..3925, 3618..3926, 3618..3926, 3625..3927, 4131..4367, 4166..4363, 4185..4376, 4187..4378, 4432..4584, 4447..4584, 4448..4591, 4848..4907, 4854..4895, 4865..4906, 4892..4975, 4905..5015, 4908..4976, 5053..5121, 5188..5244		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o1.ts	Method	TBLASTX:Soybean
Start	1893	End	4584
GI	none	Score	124
Exons	1893..1973, 2634..2816, 2636..2815, 2889..3041, 2889..3056, 2890..3093, 3321..3539, 3334..3534, 3335..3535, 3593..3925, 3609..3926, 3643..3927, 3770..3934, 4131..4367, 4166..4366, 4185..4370, 4187..4387, 4447..4584, 4497..4583		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624

Name	OJ000118_24.0307.C5.o1.tc	Method	TBLASTX:Cress
Start	3607	End	4247
GI	none	Score	127
Exons	3607..3915, 3612..3917, 3632..3925, 3639..3926, 4185..4247, 4187..4240		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o2.gs	Method	GENSCAN
Start	7794	End	8624
GI	none	Score	.66
Exons	7794..8027, 8220..8375, 8559..8624		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81201	Strand	+
Start	1	End	3853
Name	OJ000118_24.0307.C6.o1.gp	Method	AAT/GAP
Start	1	End	3853
GI	59_1.R1084	Score	3460
Exons	1..60, 178..283, 386..427, 974..1152, 1226..1390, 1673..1873, 1963..2262, 2600..2800, 2881..3015, 3243..3853		
GI Descrip.	'3288883/dbj|BAA31260| 0.0e+00 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81201	Strand	+
Start	1	End	3853
Name	OJ000118_24.0307.C6.o1.gs	Method	GENSCAN
Start	206	End	3647
GI	none	Score	.89
Exons	206..283, 386..427, 974..1091, 1320..1390, 1673..1873, 1963..2262, 2600..2800, 2881..3015, 3243..3647		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81201	Strand	+
Start	1	End	3853
Name	OJ000118_24.0307.C6.o1.np	Method	AAT/NAP
Start	206	End	3395
GI	3288883	Score	2170
Exons	206..283, 386..427, 974..1152, 1226..1390, 1673..1873, 1963..2262, 2600..2800, 2881..3015, 3243..3395		
GI Descrip.	(AB015431) SAR DNA binding protein [Oryza sativa]		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81202	Strand	+
Start	5623	End	5990
Name	OJ000118_24.0307.C6.o2.gp	Method	AAT/GAP
Start	5623	End	5990
GI	none	Score	721
Exons	5623..5990		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81203	Strand	+
Start	6286	End	7512
Name	OJ000118_24.0307.C6.o3.gp	Method	AAT/GAP
Start	6286	End	7512

GI	4989_1.R1084	Score	1540
Exons	6286..6525, 6943..7512		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o1.ts	Method	TBLASTX:Soybean
Start	181	End	3023
GI	none	Score	124
Exons	181..243, 203..283, 973..1143, 974..1105, 1105..1152, 1110..1151, 1225..1392, 1226..1393, 1226..1393, 1670..1876, 1671..1871, 1672..1872, 1957..2298, 2007..2261, 2033..2263, 2568..2777, 2596..2823, 2597..2803, 2878..3015, 2911..3015, 2928..3023		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o1.tw	Method	TBLASTX:Wheat
Start	187	End	1099
GI	none	Score	128
Exons	187..246, 188..283, 386..430, 973..1098, 974..1099		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o2.tc	Method	TBLASTX:Cress
Start	197	End	1744
GI	none	Score	97
Exons	197..283, 386..430, 968..1102, 974..1105, 976..1143, 1060..1152, 1062..1151, 1224..1391, 1225..1392, 1226..1393, 1226..1393, 1658..1744, 1670..1744		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o1.tm	Method	TBLASTX:Maize
Start	203	End	3634
GI	none	Score	134
Exons	203..283, 385..429, 386..430, 972..1103, 973..1104, 974..1105, 1060..1152, 1225..1392, 1226..1393, 1226..1393, 1670..1882, 1670..1876, 1954..2262, 1957..2262, 1961..2263, 2033..2263, 2596..2811, 2597..2809, 2878..3015, 2879..3022, 3231..3272, 3240..3284, 3242..3283, 3269..3331, 3282..3344, 3285..3338, 3286..3348, 3353..3394, 3355..3456, 3373..3504, 3428..3505, 3563..3601, 3565..3621, 3569..3634		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o1.tc	Method	TBLASTX:Cress
Start	1930	End	2680
GI	none	Score	434
Exons	1930..2262, 1975..2253, 2007..2261, 2606..2680, 2608..2673		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o2.np	Method	AAT/NAP
Start	4441	End	8830
GI	7106508	Score	120
Exons	4441..4514, 6313..6719, 6861..7108, 8739..8830		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o2.gs	Method	GENSCAN
Start	5973	End	10489
GI	none	Score	.6
Exons	5973..6534, 6861..6936, 6959..7306, 8084..8183, 10379..10489		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o4.gp	Method	AAT/GAP
Start	8262	End	8318
GI	2312838	Score	62
Exons	8262..8318		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	39348	Seq. ID	OJ000118_24.0307.C11
Gene No.	81205	Strand	+
Start	1	End	7371
Name	OJ000118_24.0307.C11.o1.np	Method	AAT/NAP
Start	1	End	7371
GI	3970689	Score	649
Exons	1..56, 858..1059, 2965..3340, 3475..3693, 3799..3934, 6609..6857, 7084..7371		
GI Descrip.	(Y18484) (+)-delta-cadinene synthase [Gossypium arboreum]		

Seq. No.	39348	Seq. ID	OJ000118_24.0307.C11
Gene No.	81205	Strand	+
Start	1	End	7371
Name	OJ000118_24.0307.C11.o1.gs	Method	GENSCAN
Start	812	End	1070
GI	none	Score	.75
Exons	812..848, 886..1070		

Seq. No.	39348	Seq. ID	OJ000118_24.0307.C11
Gene No.	81206	Strand	-
Start	1387	End	2750
Name	OJ000118_24.0307.C11.o2.gs	Method	GENSCAN
Start	1387	End	2750
GI	none	Score	.45
Exons	1387..2017, 2195..2610, 2667..2750		

Seq. No.	39348	Seq. ID	OJ000118_24.0307.C11
Gene No.	81207	Strand	-
Start	8230	End	11365
Name	OJ000118_24.0307.C11.o1.tw	Method	TBLASTX:Wheat

Start 2002 End 2421
GI none Score 194
Exons 2002..2160, 2206..2421

Seq. No. 39348 Seq. ID OJ000118_24.0307.C11
Gene No. 81207 Strand -
Start 8230 End 11365
Name OJ000118_24.0307.C11.o1.tm Method TBLASTX:Maize
Start 2982 End 6857
GI none Score 165
Exons 2982..3131, 2984..3127, 3150..3254, 3155..3253, 3244..3342, 3258..3359, 3260..3352, 3473..3694, 3474..3692, 3803..3931, 3811..3945, 3811..3945, 6588..6806, 6608..6805, 6609..6818, 6628..6825, 6789..6845, 6792..6857

Seq. No. 39348 Seq. ID OJ000118_24.0307.C11
Gene No. 81207 Strand -
Start 8230 End 11365
Name OJ000118_24.0307.C11.o1.ts Method TBLASTX:Soybean
Start 3219 End 3892
GI none Score 92
Exons 3219..3341, 3476..3694, 3800..3892

Seq. No. 39348 Seq. ID OJ000118_24.0307.C11
Gene No. 81207 Strand -
Start 8230 End 11365
Name OJ000118_24.0307.C11.o2.tm Method TBLASTX:Maize
Start 7025 End 7358
GI none Score 130
Exons 7025..7213, 7082..7354, 7083..7352, 7083..7358, 7084..7356

Seq. No. 39348 Seq. ID OJ000118_24.0307.C11
Gene No. 81207 Strand -
Start 8230 End 11365
Name OJ000118_24.0307.C11.o2.tw Method TBLASTX:Wheat
Start 7090 End 7379
GI none Score 136
Exons 7090..7215, 7095..7214, 7187..7246, 7227..7367, 7228..7374, 7257..7379

Seq. No. 39348 Seq. ID OJ000118_24.0307.C11
Gene No. 81207 Strand -
Start 8230 End 11365
Name OJ000118_24.0307.C11.o4.gs Method GENSCAN
Start 8230 End 11365
GI none Score .5
Exons 8230..8418, 9430..9531, 10627..10851, 11330..11365

Seq. No. 39349 Seq. ID OJ000118_24.0307.C12
Gene No. 81208 Strand -
Start 608 End 775
Name OJ000118_24.0307.C12.o1.gs Method GENSCAN
Start 608 End 775
GI none Score .47
Exons 608..775

Seq. No. 39350 Seq. ID OJ000118_24.0307.C13

Gene No.	81209	Strand	+
Start	3053	End	4425
Name	OJ000118_24.0307.C13.o2.gs	Method	GENSCAN
Start	3053	End	4425
GI	none	Score	.56
Exons	3053..3173, 4033..4245, 4277..4425		

Seq. No.	39350	Seq. ID	OJ000118_24.0307.C13
Gene No.	81210	Strand	-
Start	235	End	316
Name	OJ000118_24.0307.C13.o1.gs	Method	GENSCAN
Start	235	End	316
GI	none	Score	.4
Exons	235..316		

Seq. No.	39350	Seq. ID	OJ000118_24.0307.C13
Gene No.	81211	Strand	-
Start	5959	End	6493
Name	OJ000118_24.0307.C13.o1.np	Method	AAT/NAP
Start	5959	End	6493
GI	7523502	Score	152
Exons	5959..6093, 6400..6493		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.ts	Method	TBLASTX:Soybean
Start	655	End	903
GI	none	Score	103
Exons	655..873, 674..778, 675..902, 676..903		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.tm	Method	TBLASTX:Maize
Start	671	End	903
GI	none	Score	171
Exons	671..868, 673..870, 674..847, 675..848, 675..887, 676..870, 870..902, 871..903		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.tc	Method	TBLASTX:Cress
Start	675	End	903
GI	none	Score	243
Exons	675..902, 676..903		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.tw	Method	TBLASTX:Wheat
Start	675	End	903
GI	none	Score	174
Exons	675..848, 675..902, 676..903		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.gs	Method	GENSCAN
Start	676	End	903
GI	none	Score	.68
Exons	676..903		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.np	Method	AAT/NAP
Start	676	End	1084
GI	3482933	Score	231
Exons	676..903, 1062..1084		
GI Descrip.	(AC003970) Similar to cdc2 protein kinases [Arabidopsis thaliana]		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.gp	Method	AAT/GAP
Start	738	End	906
GI	LIB3477-005-P1-K1-G8	Score	315
Exons	738..906		
GI Descrip.	'3776559 2.0e-31 (AC005388) Strong similarity to gene F14J9.26 gi_3482933 cdc2 protein kinase homolog from A. thaliana BAC gb_AC003970. ESTs gb_Z35332 and gb_F19907 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39352	Seq. ID	OJ000118_24.0307.C20
Gene No.	81213	Strand	+
Start	202	End	1330
Name	OJ000118_24.0307.C20.o1.gp	Method	AAT/GAP
Start	202	End	312
GI	LIB3477-005-P1-K1-G8	Score	176
Exons	202..312		
GI Descrip.	'3776559 2.0e-31 (AC005388) Strong similarity to gene F14J9.26 gi_3482933 cdc2 protein kinase homolog from A. thaliana BAC gb_AC003970. ESTs gb_Z35332 and gb_F19907 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39352	Seq. ID	OJ000118_24.0307.C20
Gene No.	81213	Strand	+
Start	202	End	1330
Name	OJ000118_24.0307.C20.o1.np	Method	AAT/NAP
Start	202	End	1330
GI	3776559	Score	166
Exons	202..302, 1216..1330		
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81214	Strand	+
Start	1688	End	3660

Name	OJ000118_24.0307.C21.o1.gs	Method	GENSCAN
Start	1688	End	2455
GI	none	Score	.89
Exons	1688..1731, 1864..2005, 2123..2173, 2215..2297, 2356..2455		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81214	Strand	+
Start	1688	End	3660
Name	OJ000118_24.0307.C21.o1.gp	Method	AAT/GAP
Start	1726	End	3473
GI	uC-osflcyp024b01b1	Score	910
Exons	1726..2005, 2123..2214, 2356..2422, 3416..3473		
GI Descrip.	'2618698 1.0e-39 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81214	Strand	+
Start	1688	End	3660
Name	OJ000118_24.0307.C21.o1.np	Method	AAT/NAP
Start	1904	End	3660
GI	7452472	Score	408
Exons	1904..2028, 2117..2214, 2356..2422, 3416..3475, 3564..3660		
GI Descrip.	hypothetical protein T32G6.14 - Arabidopsis thaliana gi|2618698|gb|AAB84345.1| (AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81215	Strand	-
Start	4242	End	5220
Name	OJ000118_24.0307.C21.o1.tm	Method	TBLASTX:Maize
Start	1913	End	3678
GI	none	Score	125
Exons	1913..1990, 1939..1992, 2095..2217, 2111..2197, 2353..2445, 2354..2446, 3349..3477, 3416..3481, 3561..3653, 3561..3653, 3562..3657, 3562..3678		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81215	Strand	-
Start	4242	End	5220
Name	OJ000118_24.0307.C21.o1.ts	Method	TBLASTX:Soybean
Start	1919	End	3647
GI	none	Score	95
Exons	1919..1984, 1948..1980, 2096..2197, 2110..2214, 2344..2445, 2345..2449, 3403..3477, 3410..3481, 3414..3476, 3416..3481, 3560..3646, 3561..3647, 3561..3641, 3565..3645		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81215	Strand	-
Start	4242	End	5220
Name	OJ000118_24.0307.C21.o2.gp	Method	AAT/GAP
Start	3687	End	5220
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	3687..3752, 5182..5220		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81215	Strand	-
Start	4242	End	5220
Name	OJ000118_24.0307.C21.o2.gs	Method	GENSCAN
Start	4242	End	4907
GI	none	Score	.47
Exons	4242..4907		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o1.np	Method	AAT/NAP
Start	1	End	4914
GI	6735314	Score	1911
Exons	1..338, 587..682, 812..943, 1438..1491, 1622..1705, 2248..2301, 2380..3283, 3573..3779, 3840..4139, 4840..4914		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o1.gs	Method	GENSCAN
Start	69	End	19260
GI	none	Score	.54
Exons	69..338, 587..682, 812..943, 1438..1491, 1622..1705, 2215..2301, 2380..2904, 2912..3283, 3573..3751, 3848..4139, 4860..5119, 5725..5840, 7384..7482, 7607..7842, 7931..7963, 8046..8164, 8213..8256, 8527..8609, 8750..8821, 9325..9505, 9851..9920, 9948..10020, 10424..10451, 12082..12202, 12595..12717, 13802..13931, 14035..14196, 14495..14689, 17581..17658, 17874..18015, 19142..19260		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o1.gp	Method	AAT/GAP
Start	2223	End	2502
GI	uC-osflcyp106e03b1	Score	376
Exons	2223..2301, 2380..2502		
GI Descrip.	'2618698 2.0e-09 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o2.gp	Method	AAT/GAP
Start	2612	End	2934
GI	LIB3475-011-P1-K1-C3	Score	580
Exons	2612..2934		
GI Descrip.	'2618698 1.0e-50 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o3.gp	Method	AAT/GAP
Start	2959	End	3733

GI	4715626	Score	929
Exons	2959..3283, 3573..3733		
GI Descrip.	2618698 1.0e-50 (AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o4.gp	Method	AAT/GAP
Start	3939	End	5253
GI	45434_1.R1084	Score	1171
Exons	3939..4139, 4840..5253		
GI Descrip.	'2618698 6.0e-19 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o2.np	Method	AAT/NAP
Start	7533	End	9615
GI	4105798	Score	479
Exons	7533..7694, 7783..7842, 7931..7963, 8046..8123, 8213..8256, 8361..8401, 8527..8609, 8730..8821, 8953..9067, 9470..9615		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o5.gp	Method	AAT/GAP
Start	11880	End	13725
GI	uC-osrocyp008d09b1	Score	967
Exons	11880..12202, 13028..13107, 13398..13463, 13555..13602, 13697..13725		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 7.0e-17 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o6.gp	Method	AAT/GAP
Start	16582	End	16834
GI	3106573	Score	307
Exons	16582..16834		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 7.0e-17 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o1.tm	Method	TBLASTX:Maize
Start	586	End	2992
GI	none	Score	146
Exons	586..681, 587..688, 588..686, 784..942, 802..942, 803..952, 1437..1493, 1439..1492, 1439..1495, 1440..1493, 1619..1714, 1628..1747, 2213..2299, 2214..2303, 2215..2304, 2231..2311, 2379..2894, 2379..2894, 2380..2895, 2390..2905, 2898..2990, 2900..2992, 2902..2991		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o5.ts	Method	TBLASTX:Soybean
Start	586	End	952
GI	none	Score	117
Exons	586..675, 587..688, 802..939, 803..952		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o3.ts	Method	TBLASTX:Soybean
Start	2725	End	3151
GI	none	Score	175
Exons	2725..2895, 2727..2894, 2899..3072, 2903..3076, 2942..3067, 2950..3072, 3044..3151, 3079..3150		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o2.tm	Method	TBLASTX:Maize
Start	3148	End	4923
GI	none	Score	230
Exons	3148..3282, 3149..3283, 3149..3292, 3570..3743, 3575..3748, 3845..4150, 3846..4151, 4837..4923, 4839..4922		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o4.ts	Method	TBLASTX:Soybean
Start	3642	End	4054
GI	none	Score	50
Exons	3642..3686, 3687..3740, 3845..4054, 3846..4052		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o1.tc	Method	TBLASTX:Cress
Start	7641	End	8822
GI	none	Score	105
Exons	7641..7694, 7928..7969, 7930..7962, 8040..8099, 8054..8122, 8216..8257, 8358..8402, 8359..8403, 8513..8608, 8526..8609, 8727..8822, 8729..8821		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o1.ts	Method	TBLASTX:Soybean
Start	7641	End	9586
GI	none	Score	90
Exons	7641..7691, 7928..7969, 7930..7965, 8040..8099, 8045..8125, 8213..8257, 8358..8402, 8359..8403, 8513..8608, 8526..8609, 8727..8840, 8729..8842, 8924..9025, 8950..9048, 9470..9586, 9472..9585		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22

Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o3.tm	Method	TBLASTX:Maize
Start	7641	End	9040
GI	none	Score	112
Exons	7641..7694, 7643..7693, 7754..7843, 7782..7844, 7804..7881, 7930..7962, 7931..7969, 8040..8102, 8048..8125, 8213..8257, 8214..8255, 8358..8402, 8359..8403, 8513..8608, 8526..8609, 8727..8813, 8729..8809, 8930..9025, 8950..9033, 8951..9040		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o1.tw	Method	TBLASTX:Wheat
Start	8230	End	9532
GI	none	Score	47
Exons	8230..8256, 8231..8257, 8358..8402, 8359..8403, 8513..8608, 8525..8608, 8526..8609, 8727..8840, 8729..8821, 8924..9040, 8935..9039, 9464..9532, 9464..9520, 9466..9531		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o2.tc	Method	TBLASTX:Cress
Start	13401	End	14694
GI	none	Score	79
Exons	13401..13457, 13694..13768, 13703..13768, 13850..13933, 13851..13934, 14035..14124, 14038..14211, 14127..14210, 14477..14692, 14503..14694, 14527..14694		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o5.tm	Method	TBLASTX:Maize
Start	13693	End	17640
GI	none	Score	104
Exons	13693..13773, 13694..13762, 13856..13957, 13857..13934, 14031..14195, 14031..14195, 14032..14199, 14033..14206, 14477..14692, 14488..14694, 14503..14694, 14505..14723, 17536..17640		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o6.ts	Method	TBLASTX:Soybean
Start	13863	End	14207
GI	none	Score	98
Exons	13863..13934, 14035..14112, 14104..14199, 14109..14207		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o4.np	Method	AAT/NAP
Start	18810	End	20835
GI	3738302	Score	516
Exons	18810..19283, 19592..19710, 20792..20835		
GI Descrip.	(AC005309) putative Tub family protein [Arabidopsis thaliana]		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o4.tm	Method	TBLASTX:Maize
Start	18837	End	19709
GI	none	Score	101
Exons	18837..18926, 18838..18954, 18838..18924, 18839..18925, 18840..18926, 18903..19013, 18904..19014, 18914..19021, 18928..19038, 19018..19131, 19019..19135, 19129..19227, 19131..19247, 19190..19285, 19196..19285, 19200..19289, 19234..19308, 19591..19701, 19592..19702, 19599..19709, 19599..19706		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o2.ts	Method	TBLASTX:Soybean
Start	18838	End	19289
GI	none	Score	114
Exons	18838..18927, 18840..18926, 18845..18928, 18845..18928, 18911..19015, 18928..19014, 18977..19015, 19017..19067, 19018..19077, 19018..19179, 19131..19199, 19190..19285, 19191..19289		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o3.tc	Method	TBLASTX:Cress
Start	18838	End	19668
GI	none	Score	60
Exons	18838..18921, 18840..18962, 18973..19038, 19018..19101, 19021..19077, 19232..19285, 19591..19668		

Seq. No.	39355	Seq. ID	OJ000118_24.0307.C24
Gene No.	81218	Strand	-
Start	1193	End	4316
Name	OJ000118_24.0307.C24.o1.gs	Method	GENSCAN
Start	1193	End	4316
GI	none	Score	.44
Exons	1193..1319, 2047..2278, 3332..3455, 3486..3546, 4156..4316		

Seq. No.	39355	Seq. ID	OJ000118_24.0307.C24
Gene No.	81219	Strand	-
Start	6278	End	6811
Name	OJ000118_24.0307.C24.o2.gs	Method	GENSCAN
Start	6278	End	6811
GI	none	Score	.61
Exons	6278..6580, 6611..6811		

Seq. No.	39356	Seq. ID	OJ000118_24.0307.C25
Gene No.	81220	Strand	-
Start	278	End	1855
Name	OJ000118_24.0307.C25.o1.np	Method	AAT/NAP
Start	278	End	1844
GI	6006370	Score	68
Exons	278..448, 1749..1844		

GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	39356	Seq. ID	OJ000118_24.0307.C25
Gene No.	81220	Strand	-
Start	278	End	1855
Name	OJ000118_24.0307.C25.o1.gs	Method	GENSCAN
Start	1346	End	1855
GI	none	Score	.93
Exons	1346..1855		

Seq. No.	39357	Seq. ID	OJ000118_22.0309.C1
Gene No.	81221	Strand	-
Start	1	End	935
Name	OJ000118_22.0309.C1.o1.np	Method	AAT/NAP
Start	1	End	935
GI	6815062	Score	258
Exons	1..25, 139..355, 462..512, 583..681, 758..935		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	39357	Seq. ID	OJ000118_22.0309.C1
Gene No.	81221	Strand	-
Start	1	End	935
Name	OJ000118_22.0309.C1.o1.gs	Method	GENSCAN
Start	139	End	681
GI	none	Score	.58
Exons	139..512, 583..681		

Seq. No.	39358	Seq. ID	OJ000118_22.0309.C2
Gene No.	81222	Strand	-
Start	1	End	2315
Name	OJ000118_22.0309.C2.o1.np	Method	AAT/NAP
Start	1	End	2315
GI	6815062	Score	1660
Exons	1..156, 242..1099, 1191..1261, 1370..2315		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	39358	Seq. ID	OJ000118_22.0309.C2
Gene No.	81222	Strand	-
Start	1	End	2315
Name	OJ000118_22.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	395	End	900
GI	none	Score	112
Exons	395..547, 399..548, 531..734, 574..705, 765..899, 775..900		

Seq. No.	39358	Seq. ID	OJ000118_22.0309.C2
Gene No.	81222	Strand	-
Start	1	End	2315
Name	OJ000118_22.0309.C2.o2.tm	Method	TBLASTX:Maize
Start	1863	End	2141
GI	none	Score	76
Exons	1863..2141, 1960..2085		

Seq. No.	39359	Seq. ID	OJ000118_22.0309.C3

Gene No.	81223	Strand	-
Start	1	End	1534
Name	OJ000118_22.0309.C3.o1.np	Method	AAT/NAP
Start	1	End	1534
GI	5690095	Score	563
Exons	1..992, 1506..1534		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	39359	Seq. ID	OJ000118_22.0309.C3
Gene No.	81223	Strand	-
Start	1	End	1534
Name	OJ000118_22.0309.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	320
GI	none	Score	118
Exons	1..144, 3..143, 189..320, 192..320		

Seq. No.	39359	Seq. ID	OJ000118_22.0309.C3
Gene No.	81223	Strand	-
Start	1	End	1534
Name	OJ000118_22.0309.C3.o1.gs	Method	GENSCAN
Start	83	End	1520
GI	none	Score	.41
Exons	83..324, 571..1520		

Seq. No.	39360	Seq. ID	OJ000118_22.0309.C5
Gene No.	81224	Strand	-
Start	138	End	1692
Name	OJ000118_22.0309.C5.o1.np	Method	AAT/NAP
Start	138	End	1692
GI	140291	Score	378
Exons	138..166, 1391..1692		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	39360	Seq. ID	OJ000118_22.0309.C5
Gene No.	81224	Strand	-
Start	138	End	1692
Name	OJ000118_22.0309.C5.o1.gs	Method	GENSCAN
Start	379	End	1601
GI	none	Score	.54
Exons	379..741, 862..989, 1560..1601		

Seq. No.	39360	Seq. ID	OJ000118_22.0309.C5
Gene No.	81224	Strand	-
Start	138	End	1692
Name	OJ000118_22.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	1381	End	1636
GI	none	Score	242
Exons	1381..1623, 1390..1632, 1394..1633, 1397..1636		

Seq. No.	39360	Seq. ID	OJ000118_22.0309.C5
Gene No.	81224	Strand	-
Start	138	End	1692
Name	OJ000118_22.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	1390	End	1537

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GI            none                          Score    204
Exons         1390..1518, 1392..1526, 1394..1519, 1504..1536, 1505..1537

Seq. No.      39361                         Seq. ID  OJ000118_22.0309.C6
Gene No.      81225                         Strand   +
Start         307                           End      1382
Name          OJ000118_22.0309.C6.o1.gs     Method   GENSCAN
Start         307                           End      1382
GI            none                          Score    .59
Exons         307..508, 1192..1382

Seq. No.      39362                         Seq. ID  OJ000118_22.0309.C7
Gene No.      81226                         Strand   +
Start         217                           End      2108
Name          OJ000118_22.0309.C7.o1.gs     Method   GENSCAN
Start         217                           End      2108
GI            none                          Score    .51
Exons         217..257, 705..824, 1922..2108

Seq. No.      39362                         Seq. ID  OJ000118_22.0309.C7
Gene No.      81227                         Strand   -
Start         1                             End      772
Name          OJ000118_22.0309.C7.o1.np     Method   AAT/NAP
Start         1                             End      772
GI            7340868                       Score    42
Exons         1..158, 660..772
GI Descrip.   (AP001551) hypothetical protein [Oryza sativa]

Seq. No.      39362                         Seq. ID  OJ000118_22.0309.C7
Gene No.      81228                         Strand   -
Start         1288                          End      4090
Name          OJ000118_22.0309.C7.o2.np     Method   AAT/NAP
Start         1288                          End      4090
GI            6006375                       Score    57
Exons         1288..1371, 3779..3869, 4059..4090
GI Descrip.   (AP000559) Similar to ORF3 protein - rice tungro bacilliform
              virus &RTUORFS_2 (C40785) [Oryza sativa]

Seq. No.      39362                         Seq. ID  OJ000118_22.0309.C7
Gene No.      81228                         Strand   -
Start         1288                          End      4090
Name          OJ000118_22.0309.C7.o1.gp     Method   AAT/GAP
Start         2514                          End      2571
GI            16490_1.R1084                 Score    90
Exons         2514..2571
GI Descrip.   '4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase
              2C-like protein [Arabidopsis thaliana]'

Seq. No.      39363                         Seq. ID  OJ000118_22.0309.C8
Gene-No.      81229                         Strand   +
Start         331                           End      2373
Name          OJ000118_22.0309.C8.o1.gs     Method   GENSCAN
Start         331                           End      2373
GI            none                          Score    .7
Exons         331..444, 1357..1559, 2221..2373

Seq. No.      39363                         Seq. ID  OJ000118_22.0309.C8
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Gene No.	81229	Strand	+
Start	331	End	2373
Name	OJ000118_22.0309.C8.o1.np	Method	AAT/NAP
Start	342	End	2370
GI	6006375	Score	2421
Exons	342..1559, 1832..2370		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
Gene No.	81230	Strand	+
Start	7229	End	11032
Name	OJ000118_22.0309.C8.o3.gs	Method	GENSCAN
Start	7229	End	11032
GI	none	Score	.62
Exons	7229..7317, 7465..8323, 8461..8928, 9212..9312, 11005..11032		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
Gene No.	81230	Strand	+
Start	7229	End	11032
Name	OJ000118_22.0309.C8.o2.np	Method	AAT/NAP
Start	8174	End	10162
GI	7488773	Score	76
Exons	8174..8323, 8461..8673, 10116..10162		
GI Descrip.	phaseolin G-box binding protein PG1 - kidney bean gi|1142619|gb|AAB00686.1| (U18348) phaseolin G-box binding protein PG1 [Phaseolus vulgaris]		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
Gene No.	81231	Strand	-
Start	3046	End	6225
Name	OJ000118_22.0309.C8.o2.gs	Method	GENSCAN
Start	3046	End	6225
GI	none	Score	.69
Exons	3046..3181, 4031..4160, 6066..6225		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
Gene No.	81232	Strand	-
Start	8733	End	8916
Name	OJ000118_22.0309.C8.o1.gp	Method	AAT/GAP
Start	8733	End	8916
GI	2796431	Score	260
Exons	8733..8916		

Seq. No.	39364	Seq. ID	OJ000118_22.0309.C9
Gene No.	81233	Strand	+
Start	327	End	399
Name	OJ000118_22.0309.C9.o1.gs	Method	GENSCAN
Start	327	End	399
GI	none	Score	.55
Exons	327..399		

Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81234	Strand	+
Start	235	End	1018
Name	OJ000118_22.0309.C10.o1.gs	Method	GENSCAN
Start	235	End	1018

GI	none	Score	.87
Exons	235..302, 628..1018		

Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81235	Strand	-
Start	3261	End	3564
Name	OJ000118_22.0309.C10.o2.gs	Method	GENSCAN
Start	3261	End	3564
GI	none	Score	.89
Exons	3261..3381, 3407..3564		

Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o3.gs	Method	GENSCAN
Start	4289	End	6642
GI	none	Score	.65
Exons	4289..4476, 4567..4632, 5300..5427, 6323..6642		

Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.np	Method	AAT/NAP
Start	6258	End	6685
GI	1903367	Score	207
Exons	6258..6685		
GI Descrip.	(AC000104) ESTs gb|N65789,gb|T04628 come from this gene. [Arabidopsis thaliana]		

Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.gp	Method	AAT/GAP
Start	6313	End	6685
GI	LIB3433-018-Q6-K6-H1	Score	730
Exons	6313..6685		
GI Descrip.	'3395436 2.0e-11 (AC004683) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	6395	End	6684
GI	none	Score	123
Exons	6395..6595, 6499..6684		

Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	6499	End	6684
GI	none	Score	97
Exons	6499..6609, 6518..6595, 6610..6684		

Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-

Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	6505	End	6684
GI	none	Score	64
Exons	6505..6684, 6515..6592		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81237	Strand	+
Start	475	End	3381
Name	OJ000118_22.0309.C11.o1.gs	Method	GENSCAN
Start	475	End	3059
GI	none	Score	.88
Exons	475..670, 1110..1240, 1546..1680, 1872..3059		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81237	Strand	+
Start	475	End	3381
Name	OJ000118_22.0309.C11.o1.gp	Method	AAT/GAP
Start	1580	End	3381
GI	343_1.R1084	Score	3579
Exons	1580..3381		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 4.0e-44 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81237	Strand	+
Start	475	End	3381
Name	OJ000118_22.0309.C11.o1.np	Method	AAT/NAP
Start	1619	End	3056
GI	7489519	Score	2514
Exons	1619..3056		
GI Descrip.	nucleotide pyrophosphatase homolog - rice gi|818849|gb|AAA67067.1| (U25430) nucleotide pyrophosphatase precursor [Oryza sativa]		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81238	Strand	+
Start	7089	End	7545
Name	OJ000118_22.0309.C11.o2.gs	Method	GENSCAN
Start	7089	End	7545
GI	none	Score	.41
Exons	7089..7122, 7211..7372, 7448..7545		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81239	Strand	+
Start	14660	End	16878
Name	OJ000118_22.0309.C11.o2.np	Method	AAT/NAP
Start	14660	End	16878
GI	7340909	Score	110
Exons	14660..14683, 15956..16313, 16712..16878		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81239	Strand	+
Start	14660	End	16878
Name	OJ000118_22.0309.C11.o3.np	Method	AAT/NAP
Start	15386	End	16727

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GI             2500036                      Score     66
Exons          15386..15469, 16349..16450, 16570..16727
GI Descrip.    DIHYDROOROTASE PRECURSOR (DHOASE) gi|2121273 (AF000146)
               dihydroorotase [Arabidopsis thaliana] gi|3292818|emb|CAA19808.1|
               (AL031018) dihydroorotase [Arabidopsis thaliana]

Seq. No.       39366                        Seq. ID   OJ000118_22.0309.C11
Gene No.       81240                        Strand    +
Start          16969                        End       17305
Name           OJ000118_22.0309.C11.o2.gp   Method    AAT/GAP
Start          16969                        End       17305
GI             5816500                      Score     655
Exons          16969..17305
GI Descrip.    5091496/dbj|AB023482.2|AB023482 4.0e-44 Oryza sativa genomic
               DNA, chromosome 6, clone P0680A03, complete sequence

Seq. No.       39366                        Seq. ID   OJ000118_22.0309.C11
Gene No.       81241                        Strand    -
Start          9490                         End       19191
Name           OJ000118_22.0309.C11.o2.tc   Method    TBLASTX:Cress
Start          1874                         End       2195
GI             none                         Score     308
Exons          1874..2086, 1875..2087, 2096..2185, 2097..2195

Seq. No.       39366                        Seq. ID   OJ000118_22.0309.C11
Gene No.       81241                        Strand    -
Start          9490                         End       19191
Name           OJ000118_22.0309.C11.o1.ts   Method    TBLASTX:Soybean
Start          1956                         End       2542
GI             none                         Score     86
Exons          1956..2030, 1997..2125, 2004..2150, 2115..2273, 2135..2263,
               2273..2542, 2274..2540, 2299..2541, 2474..2542

Seq. No.       39366                        Seq. ID   OJ000118_22.0309.C11
Gene No.       81241                        Strand    -
Start          9490                         End       19191
Name           OJ000118_22.0309.C11.o1.tm   Method    TBLASTX:Maize
Start          2031                         End       2355
GI             none                         Score     553
Exons          2031..2354, 2036..2353, 2124..2354, 2221..2355

Seq. No.       39366                        Seq. ID   OJ000118_22.0309.C11
Gene No.       81241                        Strand    -
Start          9490                         End       19191
Name           OJ000118_22.0309.C11.o3.tc   Method    TBLASTX:Cress
Start          2325                         End       2534
GI             none                         Score     262
Exons          2325..2534, 2327..2533

Seq. No.       39366                        Seq. ID   OJ000118_22.0309.C11
Gene No.       81241                        Strand    -
Start          9490                         End       19191
Name           OJ000118_22.0309.C11.o1.tc   Method    TBLASTX:Cress
Start          2535                         End       3058
GI             none                         Score     662
Exons          2535..3050, 2537..3058
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Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81241	Strand	-
Start	9490	End	19191
Name	OJ000118_22.0309.C11.o2.ts	Method	TBLASTX:Soybean
Start	2567	End	3085
GI	none	Score	599
Exons	2567..2677, 2568..3050, 2659..2712, 2662..3060, 2732..3085		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81241	Strand	-
Start	9490	End	19191
Name	OJ000118_22.0309.C11.o3.gs	Method	GENSCAN
Start	9490	End	19191
GI	none	Score	.65
Exons	9490..9821, 9891..10013, 10209..10239, 12691..12867, 14438..14552, 14580..14775, 15089..15233, 15946..16071, 16240..16402, 16600..16950, 17073..17237, 18022..18110, 19135..19191		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81242	Strand	+
Start	5	End	7359
Name	OJ000118_22.0309.C12.o1.gs	Method	GENSCAN
Start	5	End	7081
GI	none	Score	.85
Exons	5..355, 388..437, 608..708, 800..1005, 1325..1573, 2651..2740, 2851..3036, 3547..3668, 6985..7081		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81242	Strand	+
Start	5	End	7359
Name	OJ000118_22.0309.C12.o1.gp	Method	AAT/GAP
Start	3618	End	7359
GI	3760640	Score	784
Exons	3618..3668, 6985..7359		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81243	Strand	+
Start	14839	End	16194
Name	OJ000118_22.0309.C12.o3.gs	Method	GENSCAN
Start	14839	End	16194
GI	none	Score	.53
Exons	14839..15266, 15608..15743, 15954..15985, 16050..16194		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81244	Strand	+
Start	19592	End	24039
Name	OJ000118_22.0309.C12.o3.gp	Method	AAT/GAP
Start	19592	End	19842
GI	428570	Score	491
Exons	19592..19842		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81244	Strand	+
Start	19592	End	24039

```
Name          OJ000118_22.0309.C12.o4.gs    Method    GENSCAN
Start         19704                         End       23801
GI            none                          Score     .92
Exons         19704..20099, 21475..21723, 23091..23143, 23214..23310,
              23453..23551, 23643..23801

Seq. No.      39367                         Seq. ID   OJ000118_22.0309.C12
Gene No.      81244                         Strand    +
Start         19592                         End       24039
Name          OJ000118_22.0309.C12.o4.gp    Method    AAT/GAP
Start         23527                         End       24039
GI            80325_1.R1084                 Score     754
Exons         23527..23551, 23643..24039
GI Descrip.   '1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon
              4-coumarate-CoA ligase gene, intron 1, partial sequence'

Seq. No.      39367                         Seq. ID   OJ000118_22.0309.C12
Gene No.      81245                         Strand    -
Start         8291                          End       14052
Name          OJ000118_22.0309.C12.o2.gs    Method    GENSCAN
Start         8291                          End       14052
GI            none                          Score     .
Exons         8291..8355, 10662..10683, 10883..11064, 12[illegible]..12[illegible],
              13657..13898, 13997..14052

Seq. No.      39367                         Seq. ID   OJ000118_22.0309.C12
Gene No.      81245                         Strand    -
Start         8291                          End       140
Name          OJ000118_22.0309.C12.o2.gp    Method    AAT/GAP
Start         10592                         End       11072
GI            79598_1.R1084                 Score     579
Exons         10592..10683, 10831..11072
GI Descrip.   '5669638/gb|AAD46404.1|AF096248_1 1.0e-30 (AF096248)
              ethylene-responsive RNA helicase [Lycopersicon esculentum]'

Seq. No.      39367                         Seq. ID   OJ000118_22.0309.C12
Gene No.      81245                         Strand    -
Start         8291                          End       14052
Name          OJ000118_22.0309.C12.o1.np    Method    AAT/NAP
Start         10637                         End       14052
GI            5669638                       Score     1631
Exons         10637..10690, 10832..11064, 11139..11365, 11452..11500,
              11668..11723, 12034..12188, 12399..12560, 12659..12838,
              13657..13898, 13997..14052
GI Descrip.   (AF096248) ethylene-responsive RNA helicase [Lycopersicon
              esculentum]

Seq. No.      39367                         Seq. ID   OJ000118_22.0309.C12
Gene No.      81246                         Strand    -
Start         22952                         End       26068
Name          OJ000118_22.0309.C12.o2.np    Method    AAT/NAP
Start         22952                         End       26068
GI            4263522                       Score     696
Exons         22952..22999, 24343..25418, 25545..25824, 25936..26068
GI Descrip.   (AC004044) hypothetical protein [Arabidopsis thaliana]

Seq. No.      39367                         Seq. ID   OJ000118_22.0309.C12
```

Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o3.tc	Method	TBLASTX:Cress
Start	40	End	7090
GI	none	Score	244
Exons	40..198, 41..340, 853..987, 861..1004, 1454..1570, 2650..2751, 2651..2743, 2847..3032, 2851..3033, 3552..3671, 3552..3659, 3559..3660, 3571..3672, 6986..7090		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o4.ts	Method	TBLASTX:Soybean
Start	40	End	277
GI	none	Score	303
Exons	40..246, 41..277		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o4.tm	Method	TBLASTX:Maize
Start	928	End	3672
GI	none	Score	101
Exons	928..987, 930..1004, 938..1006, 1324..1374, 1324..1392, 1433..1573, 1433..1570, 1486..1575, 2627..2743, 2640..2744, 2649..2741, 2650..2751, 2850..3035, 2851..3036, 2853..3059, 2933..3040, 3536..3670, 3544..3672, 3546..3671		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o6.ts	Method	TBLASTX:Soybean
Start	2648	End	3021
GI	none	Score	74
Exons	2648..2743, 2847..2984, 2851..3021		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o1.tc	Method	TBLASTX:Cress
Start	10829	End	11507
GI	none	Score	100
Exons	10829..11065, 10830..10919, 10835..10936, 10989..11030, 10991..11065, 11131..11367, 11134..11364, 11144..11368, 11168..11368, 11451..11507		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	10829	End	11705
GI	none	Score	132
Exons	10829..11065, 10830..10919, 10832..10936, 10994..11065, 11002..11067, 11131..11349, 11131..11367, 11141..11371, 11451..11540, 11452..11538, 11625..11705, 11626..11703		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12

Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o1.tm	Method	TBLASTX:Maize
Start	10937	End	12456
GI	none	Score	158
Exons	10937..11065, 11131..11367, 11141..11308, 11155..11352, 11457..11540, 11458..11538, 11625..11729, 11626..11730, 11632..11727, 12031..12159, 12041..12157, 12160..12189, 12161..12190, 12418..12456		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o5.tc	Method	TBLASTX:Cress
Start	11625	End	12833
GI	none	Score	86
Exons	11625..11729, 12031..12198, 12041..12190, 12394..12549, 12398..12550, 12678..12833, 12694..12825		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o3.tm	Method	TBLASTX:Maize
Start	12393	End	14126
GI	none	Score	129
Exons	12393..12557, 12397..12621, 12397..12567, 12660..12839, 12661..12846, 12661..12846, 13649..13876, 13650..13799, 13997..14053, 13999..14052, 14100..14126		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o2.ts	Method	TBLASTX:Soybean
Start	12434	End	14052
GI	none	Score	133
Exons	12434..12529, 12436..12528, 12523..12558, 12524..12559, 12654..12839, 12656..12775, 12660..12839, 12661..12846, 13649..13822, 13650..13799, 13999..14052		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o3.ts	Method	TBLASTX:Soybean
Start	24325	End	24813
GI	none	Score	78
Exons	24325..24813, 24335..24472		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o2.tm	Method	TBLASTX:Maize
Start	24346	End	25434
GI	none	Score	39
Exons	24346..25125, 24559..24702, 24680..24997, 24799..25170, 24803..25171, 24835..25221, 25024..25224, 25072..25266, 25106..25237, 25138..25224, 25224..25241, 25237..25434		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o2.tc	Method	TBLASTX:Cress
Start	24547	End	25236
GI	none	Score	93
Exons	24547..24648, 24634..25212, 24772..24924, 25084..25236		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o1.tw	Method	TBLASTX:Wheat
Start	24691	End	25635
GI	none	Score	80
Exons	24691..24990, 24691..25164, 24692..251[illegible] [illegible]1, 25243..25407, 25474..25581, 25498..25635		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o5.ts	Method	TBLASTX:Soybean
Start	24853	End	25221
GI	none	Score	124
Exons	24853..25023, 25006..25221		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o3.np	Method	AAT/NAP
Start	26918	End	29076
GI	6714327	Score	485
Exons	26918..27164, 27267..27395, 27492..27606, 27978..28098, 28847..29076		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o4.tc	Method	TBLASTX:Cress
Start	26996	End	27396
GI	none	Score	95
Exons	26996..27181, 27004..27180, 27265..27393, 27266..27346, 27268..27396		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o5.tm	Method	TBLASTX:Maize
Start	27004	End	28100
GI	none	Score	63
Exons	27004..27180, 27034..27183, 27265..27393, 27266..27394, 27485..27565, 27972..28100, 27979..28062		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81248	Strand	-
Start	214	End	4138
Name	OJ000118_22.0309.C13.o1.gs	Method	GENSCAN

Start	214	End	4114
GI	none	Score	.57
Exons	214..483, 2932..3398, 3490..4114		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81248	Strand	-
Start	214	End	4138
Name	OJ000118_22.0309.C13.o1.np	Method	AAT/NAP
Start	227	End	4138
GI	3882018	Score	945
Exons	227..483, 2932..3084, 3121..3398, 3490..4138		
GI Descrip.	(Y18377) cytokinin oxidase [Zea mays]		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o2.tc	Method	TBLASTX:Cress
Start	169	End	489
GI	none	Score	63
Exons	169..276, 215..277, 265..489, 275..445, 328..447		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o1.ts	Method	TBLASTX:Soybean
Start	217	End	3685
GI	none	Score	97
Exons	217..252, 269..445, 271..480, 3215..3409, 3307..3414, 3486..3683, 3488..3622, 3641..3685		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o2.tm	Method	TBLASTX:Maize
Start	217	End	486
GI	none	Score	97
Exons	217..252, 271..486, 284..436		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o1.tc	Method	TBLASTX:Cress
Start	3103	End	3664
GI	none	Score	135
Exons	3103..3159, 3206..3409, 3307..3414, 3488..3664, 3489..3662		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	3103	End	3400
GI	none	Score	43
Exons	3103..3135, 3139..3168, 3196..3252, 3206..3400, 3307..3399		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621

Name	OJ000118_22.0309.C13.o2.gs	Method	GENSCAN
Start	6468	End	9621
GI	none	Score	.49
Exons	6468..6729, 6752..6929, 7394..7509, 8749..8924, 9343..9621		

Seq. No.	39369	Seq. ID	OJ000118_22.0309.C14
Gene No.	81250	Strand	+
Start	190	End	310
Name	OJ000118_22.0309.C14.o1.np	Method	AAT/NAP
Start	190	End	310
GI	7523512	Score	142
Exons	190..310		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39369	Seq. ID	OJ000118_22.0309.C14
Gene No.	81251	Strand	+
Start	834	End	2800
Name	OJ000118_22.0309.C14.o1.gs	Method	GENSCAN
Start	834	End	2800
GI	none	Score	.57
Exons	834..919, 1244..1557, 2255..2456, 2626..2800		

Seq. No.	39369	Seq. ID	OJ000118_22.0309.C14
Gene No.	81252	Strand	-
Start	1	End	2896
Name	OJ000118_22.0309.C14.o2.np	Method	AAT/NAP
Start	1	End	2896
GI	7340881	Score	223
Exons	1..35, 621..651, 757..864, 2619..2896		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39370	Seq. ID	OJ000118_22.0309.C15
Gene No.	81253	Strand	-
Start	1427	End	2240
Name	OJ000118_22.0309.C15.o1.np	Method	AAT/NAP
Start	1427	End	2240
GI	6815099	Score	82
Exons	1427..1553, 2185..2240		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39371	Seq. ID	OJ000118_22.0309.C16
Gene No.	81254	Strand	-
Start	429	End	2449
Name	OJ000118_22.0309.C16.o1.gs	Method	GENSCAN
Start	429	End	2449
GI	none	Score	.82
Exons	429..438, 833..1080, 1324..1496, 2302..2449		

Seq. No.	39372	Seq. ID	OJ000118_22.0309.C17
Gene No.	81255	Strand	-
Start	1	End	2511
Name	OJ000118_22.0309.C17.o1.np	Method	AAT/NAP
Start	1	End	2511
GI	3687227	Score	488
Exons	1..18, 228..373, 1170..1398, 2107..2302, 2468..2511		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

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Seq. No.       39372                          Seq. ID   OJ000118_22.0309.C17
Gene No.       81255                          Strand    -
Start          1                              End       2511
Name           OJ000118_22.0309.C17.o1.gs     Method    GENSCAN
Start          228                            End       2329
GI             none                           Score     .79
Exons          228..373, 1170..1398, 2107..2329

Seq. No.       39372                          Seq. ID   OJ000118_22.0309.C17
Gene No.       81255                          Strand    -
Start          1                              End       2511
Name           OJ000118_22.0309.C17.o1.tm     Method    TBLASTX:Maize
Start          1176                           End       1398
GI             none                           Score     82
Exons          1176..1265, 1176..1397, 1177..1398

Seq. No.       39373                          Seq. ID   OJ000118_22.0309.C18
Gene No.       81256                          Strand    -
Start          100                            End       6180
Name           OJ000118_22.0309.C18.o1.gs     Method    GENSCAN
Start          100                            End       6180
GI             none                           Score     .89
Exons          100..269, 786..857, 2778..2909, 2979..3066, 3439..3652,
               4100..4283, 5601..5730, 5879..6180

Seq. No.       39373                          Seq. ID   OJ000118_22.0309.C18
Gene No.       81256                          Strand    -
Start          100                            End       6180
Name           OJ000118_22.0309.C18.o1.np     Method    AAT/NAP
Start          133                            End       5955
GI             3687225                        Score     469
Exons          133..269, 786..857, 2769..2909, 2979..3066, 3439..3652,
               4100..4283, 5601..5730, 5879..5955
GI Descrip.    (AC005169) hypothetical protein [Arabidopsis thaliana]

Seq. No.       39374                          Seq. ID   OJ000118_22.0309.C19
Gene No.       81257                          Strand    +
Start          2123                           End       2376
Name           OJ000118_22.0309.C19.o1.gp     Method    AAT/GAP
Start          2123                           End       2376
GI             LIB3434-035-P1-K1-A7           Score     385
Exons          2123..2376
GI Descrip.    '5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic
               DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.       39374                          Seq. ID   OJ000118_22.0309.C19
Gene No.       81258                          Strand    +
Start          2340                           End       2420
Name           OJ000118_22.0309.C19.o2.gp     Method    AAT/GAP
Start          2340                           End       2420
GI             38012_1.R1084                  Score     103
Exons          2340..2420
GI Descrip.    '4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa
               beta-1,3-glucanase precursor (Gns9) gene, complete cds'

Seq. No.       39374                          Seq. ID   OJ000118_22.0309.C19
Gene No.       81259                          Strand    -
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Start	760	End	1530
Name	OJ000118_22.0309.C19.o1.gs	Method	GENSCAN
Start	760	End	1530
GI	none	Score	.86
Exons	760..821, 1215..1530		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81260	Strand	+
Start	1463	End	2447
Name	OJ000118_22.0309.C22.o1.gs	Method	GENSCAN
Start	1463	End	2447
GI	none	Score	.71
Exons	1463..1673, 1720..1747, 1837..1962, 2198..2447		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81261	Strand	+
Start	3338	End	3649
Name	OJ000118_22.0309.C22.o2.gs	Method	GENSCAN
Start	3338	End	3649
GI	none	Score	.99
Exons	3338..3649		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81262	Strand	-
Start	4066	End	9418
Name	OJ000118_22.0309.C22.o3.gs	Method	GENSCAN
Start	4066	End	9418
GI	none	Score	.83
Exons	4066..4278, 4394..4418, 4692..4865, 6998..7263, 7325..7375, 8337..8438, 8969..9418		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81262	Strand	-
Start	4066	End	9418
Name	OJ000118_22.0309.C22.o1.np	Method	AAT/NAP
Start	4099	End	4808
GI	7489780	Score	20
Exons	4099..4278, 4682..4808		
GI Descrip.	intensifier 1 protein - maize gi|1420924|gb|AAB03841.1| (U57899) IN1 [Zea mays]		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81262	Strand	-
Start	4066	End	9418
Name	OJ000118_22.0309.C22.o1.tm	Method	TBLASTX:Maize
Start	8361	End	8648
GI	none	Score	177
Exons	8361..8558, 8396..8548, 8553..8648		

Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81263	Strand	+
Start	1	End	1212
Name	OJ000118_21.0313.C1.o1.np	Method	AAT/NAP
Start	1	End	1212
GI	2062155	Score	154
Exons	1..82, 971..1083, 1169..1212		
GI Descrip.	(AC001645) mitochondrial processing peptidase alpha subunit		

precusor isolog [Arabidopsis thaliana]

Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81264	Strand	-
Start	1262	End	1389
Name	OJ000118_21.0313.C1.o1.gp	Method	AAT/GAP
Start	1262	End	1389
GI	none	Score	256
Exons	1262..1389		

Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81265	Strand	-
Start	1822	End	2367
Name	OJ000118_21.0313.C1.o2.gs	Method	GENSCAN
Start	1822	End	2367
GI	none	Score	.53
Exons	1822..2142, 2209..2367		

Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81266	Strand	-
Start	4185	End	4318
Name	OJ000118_21.0313.C1.o1.tw	Method	TBLASTX:Wheat
Start	12	End	1221
GI	none	Score	86
Exons	12..83, 15..83, 28..84, 31..84, 32..91, 968..1081, 968..1081, 969..1082, 970..1095, 1153..1221, 1167..1220, 1168..1221		

Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81266	Strand	-
Start	4185	End	4318
Name	OJ000118_21.0313.C1.o1.tm	Method	TBLASTX:Maize
Start	17	End	1346
GI	none	Score	88
Exons	17..82, 18..83, 968..1081, 969..1082, 970..1083, 970..1089, 1153..1227, 1167..1226, 1168..1227, 1317..1346		

Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81266	Strand	-
Start	4185	End	4318
Name	OJ000118_21.0313.C1.o3.gs	Method	GENSCAN
Start	4185	End	4318
GI	none	Score	.62
Exons	4185..4318		

Seq. No.	39377	Seq. ID	OJ000118_21.0313.C2
Gene No.	81267	Strand	+
Start	1	End	839
Name	OJ000118_21.0313.C2.o1.np	Method	AAT/NAP
Start	1	End	159
GI	5922623	Score	59
Exons	1..159		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39377	Seq. ID	OJ000118_21.0313.C2
Gene No.	81267	Strand	+

Start	1	End	839
Name	OJ000118_21.0313.C2.o1.gs	Method	GENSCAN
Start	11	End	839
GI	none	Score	.5
Exons	11..65, 84..159, 283..461, 766..839		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81268	Strand	+
Start	3324	End	5065
Name	OJ000118_21.0313.C4.o2.gp	Method	AAT/GAP
Start	3273	End	3911
GI	14428_1.R1084	Score	916
Exons	3273..3707, 3825..3911		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81268	Strand	+
Start	3324	End	5065
Name	OJ000118_21.0313.C4.o2.gs	Method	GENSCAN
Start	3324	End	5065
GI	none	Score	.94
Exons	3324..3707, 3825..4078, 4713..5065		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81269	Strand	-
Start	333	End	939
Name	OJ000118_21.0313.C4.o1.gp	Method	AAT/GAP
Start	333	End	939
GI	none	Score	1180
Exons	333..939		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o2.tm	Method	TBLASTX:Maize
Start	3323	End	3644
GI	none	Score	69
Exons	3323..3643, 3330..3389, 3460..3639, 3585..3644		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o3.ts	Method	TBLASTX:Soybean
Start	3525	End	3695
GI	none	Score	70
Exons	3525..3638, 3529..3639, 3533..3694, 3585..3695		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o1.tc	Method	TBLASTX:Cress
Start	3533	End	3908
GI	none	Score	189
Exons	3533..3688, 3585..3710, 3816..3908, 3821..3904		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4

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Gene No.     81270                          Strand
Start        3323                           End      5076
Name         OJ000118_21.0313.C4.o1.tm      Method   TBLASTX:Maize
Start        3645                           End      5074
GI           none                           Score    117
Exons        3645..3710, 3650..3709, 3816..4100, 3817..4077, 3819..4079,
             3821..4114, 4704..5072, 4711..5073, 4994..5074

Seq. No.     39378                          Seq. ID  OJ000118_21.0313.C4
Gene No.     81270                          Strand
Start        3323                           End      5076
Name         OJ000118_21.0313.C4.o1.ts      Method   TBLASTX:Soybean
Start        3816                           End      4010
GI           none                           Score    276
Exons        3816..4010, 3817..3885, 3821..4009

Seq. No.     39378                          Seq. ID  OJ000118_21.0313.C4
Gene No.     81270                          Strand
Start        3323                           End      5076
Name         OJ000118_21.0313.C4.o2.tc      Method   TBLASTX:Cress
Start        4879                           End      5073
GI           none                           Score    280
Exons        4879..5073, 4881..5072

Seq. No.     39378                          Seq. ID  OJ000118_21.0313.C4
Gene No.     81270                          Strand
Start        3323                           End      5076
Name         OJ000118_21.0313.C4.o2.ts      Method   TBLASTX:Soybean
Start        4896                           End      5076
GI           none                           Score    232
Exons        4896..5075, 4897..5076

Seq. No.     39379                          Seq. ID  OJ000118_21.0313.C5
Gene No.     81271                          Strand   +
Start        569                            End      3139
Name         OJ000118_21.0313.C5.o1.gs      Method   GENSCAN
Start        569                            End      3139
GI           none                           Score    .42
Exons        569..571, 2570..2750, 2868..3139

Seq. No.     39379                          Seq. ID  OJ000118_21.0313.C5
Gene No.     81272                          Strand   +
Start        3496                           End      4804
Name         OJ000118_21.0313.C5.o1.np      Method   AAT/NAP
Start        3496                           End      4804
GI           5777617                        Score    97
Exons        3496..3540, 4700..4804
GI Descrip.  (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.     39379                          Seq. ID  OJ000118_21.0313.C5
Gene No.     81273                          Strand   +
Start        10466                          End      10543
Name         OJ000118_21.0313.C5.o4.np      Method   AAT/NAP
Start        10466                          End      10543
GI           6630699                        Score    77
Exons        10466..10543
GI Descrip.  (AP000969) hypothetical protein [Oryza sativa]
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gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	39379	Seq. ID	OJ000118_21.0313.C5
Gene No.	81274	Strand	+
Start	10670	End	11207
Name	OJ000118_21.0313.C5.o5.np	Method	AAT/NAP
Start	10670	End	11207
GI	6539570	Score	172
Exons	10670..10885, 11057..11118, 11168..11207		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39379	Seq. ID	OJ000118_21.0313.C5
Gene No.	81275	Strand	-
Start	6440	End	6848
Name	OJ000118_21.0313.C5.o3.np	Method	AAT/NAP
Start	6440	End	6848
GI	5777617	Score	75
Exons	6440..6538, 6647..6848		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39379	Seq. ID	OJ000118_21.0313.C5
Gene No.	81276	Strand	-
Start	8858	End	10793
Name	OJ000118_21.0313.C5.o3.gs	Method	GENSCAN
Start	8858	End	10793
GI	none	Score	.6
Exons	8858..9251, 9368..9401, 9695..9824, 10441..10537, 10698..10793		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81277	Strand	+
Start	1621	End	3840
Name	OJ000118_21.0313.C6.o1.np	Method	AAT/NAP
Start	1621	End	3708
GI	4093155	Score	330
Exons	1621..1673, 3023..3301, 3399..3528, 3609..3708		
GI Descrip.	(AF088281) phytochrome-associated protein 1 [Arabidopsis thaliana]		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81277	Strand	+
Start	1621	End	3840
Name	OJ000118_21.0313.C6.o1.gs	Method	GENSCAN
Start	2588	End	3840
GI	none	Score	.99
Exons	2588..2656, 2855..2925, 3015..3301, 3399..3528, 3609..3672, 3814..3840		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81278	Strand	+
Start	3818	End	4229
Name	OJ000118_21.0313.C6.o2.gp	Method	AAT/GAP
Start	3818	End	4229
GI	4716781	Score	776
Exons	3818..4229		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6

Gene No.	81279	Strand	+
Start	10038	End	13689
Name	OJ000118_21.0313.C6.o3.gs	Method	GENSCAN
Start	10038	End	13689
GI	none	Score	.57
Exons	10038..10123, 10197..10333, 10550..11007, 11918..12433, 12622..12837, 12961..13689		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81280	Strand	+
Start	18242	End	20869
Name	OJ000118_21.0313.C6.o5.gs	Method	GENSCAN
Start	18242	End	20869
GI	none	Score	.61
Exons	18242..18278, 18630..18673, 20316..20393, 20762..20869		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81280	Strand	+
Start	18242	End	20869
Name	OJ000118_21.0313.C6.o4.np	Method	AAT/NAP
Start	19095	End	20520
GI	5852084	Score	80
Exons	19095..19134, 20437..20520		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81281	Strand	-
Start	5643	End	13416
Name	OJ000118_21.0313.C6.o2.np	Method	AAT/NAP
Start	5633	End	13416
GI	6594672	Score	1234
Exons	5633..5963, 6037..6118, 6296..6426, 6522..6620, 6762..6917, 7013..7087, 7350..7532, 7652..7802, 7948..8102, 13300..13416		
GI Descrip.	(AF118132) chloroplast outer envelope hexokinase 1 [Spinacia oleracea]		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81281	Strand	-
Start	5643	End	13416
Name	OJ000118_21.0313.C6.o2.gs	Method	GENSCAN
Start	5643	End	8917
GI	none	Score	.61
Exons	5643..5963, 5980..6118, 6296..6426, 6762..6917, 7013..7087, 7350..7532, 7652..7802, 7948..8157, 8410..8793, 8910..8917		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81282	Strand	-
Start	14693	End	15695
Name	OJ000118_21.0313.C6.o4.gs	Method	GENSCAN
Start	14693	End	15695
GI	none	Score	.79
Exons	14693..14835, 15590..15695		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o3.tm	Method	TBLASTX:Maize

Start	5497	End	5834
GI	none	Score	54
Exons	5497..5544, 5505..5543, 5611..5721, 5635..5721, 5640..5834, 5650..5823		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o1.tc	Method	TBLASTX:Cress
Start	5647	End	8084
GI	none	Score	172
Exons	5647..5820, 5691..5825, 5823..5942, 5841..5969, 5981..6121, 5986..6144, 6268..6429, 6311..6427, 6522..6620, 6523..6621, 6757..6915, 6759..6917, 7007..7087, 7008..7088, 7347..7532, 7348..7533, 7350..7547, 7650..7763, 7655..7798, 7667..7804, 7947..8084		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o1.ts	Method	TBLASTX:Soybean
Start	5650	End	8084
GI	none	Score	178
Exons	5650..5820, 5691..5825, 5841..5966, 5841..5969, 5989..6147, 6032..6160, 6295..6429, 6305..6427, 6522..6620, 6523..6621, 6757..6915, 6759..6917, 7007..7087, 7008..7088, 7347..7535, 7348..7533, 7643..7798, 7656..7763, 7947..8084		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o1.tm	Method	TBLASTX:Maize
Start	5841	End	8090
GI	none	Score	76
Exons	5841..5930, 5854..5949, 5943..5966, 6031..6135, 6038..6136, 6274..6429, 6275..6421, 6522..6620, 6522..6620, 6523..6621, 6757..6918, 6759..6917, 7007..7087, 7008..7088, 7325..7393, 7345..7470, 7347..7529, 7347..7532, 7348..7533, 7433..7534, 7644..7763, 7652..7801, 7947..7997, 7947..8090		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o1.tw	Method	TBLASTX:Wheat
Start	6814	End	7088
GI	none	Score	121
Exons	6814..6918, 6816..6917, 7007..7087, 7008..7088		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o2.tm	Method	TBLASTX:Maize
Start	13207	End	13535
GI	none	Score	252
Exons	13207..13464, 13209..13325, 13314..13358, 13395..13463, 13497..13535, 13498..13530		

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Seq. No.      39380                      Seq. ID   OJ000118_21.0313.C6
Gene No.      81283                      Strand    -
Start         16692                      End       20665
Name          OJ000118_21.0313.C6.o2.ts  Method    TBLASTX:Soybean
Start         13384                      End       13694
GI            none                       Score     97
Exons         13384..13467, 13395..13466, 13500..13694, 13528..13689

Seq. No.      39380                      Seq. ID   OJ000118_21.0313.C6
Gene No.      81283                      Strand    -
Start         16692                      End       20665
Name          OJ000118_21.0313.C6.o3.np  Method    AAT/NAP
Start         16692                      End       20665
GI            4539658                    Score     105
Exons         16692..16713, 19199..19339, 20633..20665
GI Descrip.   (AF061282) serine carboxypeptidase-like protein [Sorghum
              bicolor]

Seq. No.      39381                      Seq. ID   OJ000118_21.0313.C7
Gene No.      81284                      Strand    -
Start         820                        End       1047
Name          OJ000118_21.0313.C7.o1.gs  Method    GENSCAN
Start         820                        End       1047
GI            none                       Score     .71
Exons         820..897, 964..1047

Seq. No.      39382                      Seq. ID   OJ000118_21.0313.C8
Gene No.      81285                      Strand    +
Start         605                        End       1451
Name          OJ000118_21.0313.C8.o1.np  Method    AAT/NAP
Start         605                        End       1451
GI            6721543                    Score     103
Exons         605..737, 1433..1451
GI Descrip.   (AP001073) hypothetical protein [Oryza sativa]

Seq. No.      39382                      Seq. ID   OJ000118_21.0313.C8
Gene No.      81285                      Strand    +
Start         605                        End       1451
Name          OJ000118_21.0313.C8.o1.gp  Method    AAT/GAP
Start         619                        End       787
GI            7406_1.R1084               Score     220
Exons         619..787
GI Descrip.   '1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0
              [Pennisetum glaucum]'

Seq. No.      39382                      Seq. ID   OJ000118_21.0313.C8
Gene No.      81285                      Strand    +
Start         605                        End       1451
Name          OJ000118_21.0313.C8.o2.np  Method    AAT/NAP
Start         1224                       End       1451
GI            7228442                    Score     358
Exons         1224..1451
GI Descrip.   (AP001366) EST C28952(C62945) corresponds to a region of the
              predicted gene.; Similar to maize transposon MuDR mudrA protein
              isolog. (AC003981) [Oryza sativa]

Seq. No.      39382                      Seq. ID   OJ000118_21.0313.C8
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Gene No.	81286	Strand	-
Start	535	End	700
Name	OJ000118_21.0313.C8.o1.gs	Method	GENSCAN
Start	535	End	700
GI	none	Score	.78
Exons	535..700		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.np	Method	AAT/NAP
Start	1	End	1038
GI	7228442	Score	1739
Exons	1..1038		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.gs	Method	GENSCAN
Start	18	End	713
GI	none	Score	.57
Exons	18..713		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.tm	Method	TBLASTX:Maize
Start	468	End	1037
GI	none	Score	90
Exons	468..596, 630..701, 731..871, 732..932, 996..1037		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.gp	Method	AAT/GAP
Start	511	End	945
GI	5701669	Score	798
Exons	511..945		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.tw	Method	TBLASTX:Wheat
Start	765	End	1037
GI	none	Score	200
Exons	765..959, 774..971, 965..1036, 969..1037		

Seq. No.	39384	Seq. ID	OJ000118_21.0313.C10
Gene No.	81288	Strand	+
Start	1	End	1309
Name	OJ000118_21.0313.C10.o1.np	Method	AAT/NAP

Start	1	End	1309
GI	5441880	Score	908
Exons	1..999, 1076..1309		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39384	Seq. ID	OJ000118_21.0313.C10
Gene No.	81288	Strand	+
Start	1	End	1309
Name	OJ000118_21.0313.C10.o1.gs	Method	GENSCAN
Start	129	End	1219
GI	none	Score	.67
Exons	129..326, 756..999, 1076..1219		

Seq. No.	39384	Seq. ID	OJ000118_21.0313.C10
Gene No.	81288	Strand	+
Start	1	End	1309
Name	OJ000118_21.0313.C10.o1.gp	Method	AAT/GAP
Start	827	End	1309
GI	LIB3475-007-P1-K1-G8	Score	755
Exons	827..999, 1076..1309		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	39385	Seq. ID	OJ000118_21.0313.C11
Gene No.	81289	Strand	+
Start	1	End	1134
Name	OJ000118_21.0313.C11.o1.np	Method	AAT/NAP
Start	1	End	577
GI	5441880	Score	546
Exons	1..227, 343..577		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39385	Seq. ID	OJ000118_21.0313.C11
Gene No.	81289	Strand	+
Start	1	End	1134
Name	OJ000118_21.0313.C11.o2.np	Method	AAT/NAP
Start	1	End	880
GI	7228442	Score	269
Exons	1..22, 696..880		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39385	Seq. ID	OJ000118_21.0313.C11
Gene No.	81289	Strand	+
Start	1	End	1134
Name	OJ000118_21.0313.C11.o1.gs	Method	GENSCAN
Start	97	End	856
GI	none	Score	.71
Exons	97..227, 291..338, 343..545, 696..856		

Seq. No.	39385	Seq. ID	OJ000118_21.0313.C11

Gene No.	81289	Strand	+
Start	1	End	1134
Name	OJ000118_21.0313.C11.ol.gp	Method	AAT/GAP
Start	681	End	1134
GI	LIB3431-045-P1-N1-A10	Score	856
Exons	681..1134		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39386	Seq. ID	OJ000118_21.0313.C14
Gene No.	81290	Strand	-
Start	103	End	618
Name	OJ000118_21.0313.C14.ol.gs	Method	GENSCAN
Start	103	End	617
GI	none	Score	.73
Exons	103..221, 306..379, 468..617		

Seq. No.	39386	Seq. ID	OJ000118_21.0313.C14
Gene No.	81290	Strand	-
Start	103	End	618
Name	OJ000118_21.0313.C14.ol.np	Method	AAT/NAP
Start	103	End	600
GI	7487460	Score	313
Exons	103..221, 306..399, 464..600		
GI Descrip.	hypothetical protein T27D20.12 - Arabidopsis thaliana gi|3377842|gb|AAC28224.1| (AF076274) T27D20.12 gene product [Arabidopsis thaliana] gi|7267175|emb|CAB77887.1| (AL161499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39386	Seq. ID	OJ000118_21.0313.C14
Gene No.	81290	Strand	-
Start	103	End	618
Name	OJ000118_21.0313.C14.ol.tm	Method	TBLASTX:Maize
Start	322	End	618
GI	none	Score	81
Exons	322..378, 324..377, 466..618, 468..617, 469..618		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+
Start	4	End	2292
Name	OJ000118_21.0313.C15.ol.gs	Method	GENSCAN
Start	4	End	2034
GI	none	Score	.61
Exons	4..133, 148..227, 326..429, 1123..1211, 1561..1680, 1689..1789, 2008..2034		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+
Start	4	End	2292
Name	OJ000118_21.0313.C15.ol.gp	Method	AAT/GAP
Start	332	End	2292
GI	225_3.R1084	Score	1259
Exons	332..429, 1123..1211, 1561..1789, 2008..2292		
GI Descrip.	'899610 3.0e-22 (U29383) acidic ribosomal protein P2 [Zea mays]'		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+

Start	4	End	2292
Name	OJ000118_21.0313.C15.o1.tw	Method	TBLASTX:Wheat
Start	1114	End	2043
GI	none	Score	78
Exons	1114..1209, 1117..1194, 1121..1210, 1122..1217, 1125..1217, 1541..1681, 1548..1682, 1552..1683, 1552..1683, 2005..2043		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+
Start	4	End	2292
Name	OJ000118_21.0313.C15.o1.tm	Method	TBLASTX:Maize
Start	1120	End	2085
GI	none	Score	111
Exons	1120..1209, 1124..1210, 1538..1681, 1548..1682, 1928..2008, 2008..2085		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+
Start	4	End	2292
Name	OJ000118_21.0313.C15.o1.np	Method	AAT/NAP
Start	1124	End	2031
GI	1173073	Score	396
Exons	1124..1211, 1561..1789, 2008..2031		
GI Descrip.	60S ACIDIC RIBOSOMAL PROTEIN P2A (P2) gi|1076787|pir||S54179 acidic ribosomal protein 60S - maize gi|2130117|pir||S65781 acidic ribosomal protein P2 - maize gi|790508|emb|CAA60251| (X86553) 60S acidic ribosomal protein [Zea mays]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81292	Strand	+
Start	567	End	6723
Name	OJ000118_21.0313.C16.o1.gs	Method	GENSCAN
Start	567	End	2993
GI	none	Score	.97
Exons	567..2993		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81292	Strand	+
Start	567	End	6723
Name	OJ000118_21.0313.C16.o1.np	Method	AAT/NAP
Start	567	End	6720
GI	7228457	Score	9233
Exons	567..933, 995..2930, 2994..3829, 3952..5103, 5170..6720		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81292	Strand	+
Start	567	End	6723
Name	OJ000118_21.0313.C16.o2.gs	Method	GENSCAN
Start	3057	End	6723
GI	none	Score	.93
Exons	3057..3462, 3467..6723		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81293	Strand	+

Start	11715	End	19254
Name	OJ000118_21.0313.C16.o3.np	Method	AAT/NAP
Start	11715	End	19254
GI	5042454	Score	291
Exons	11715..11865, 12193..12287, 19177..19254		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81294	Strand	-
Start	7358	End	10597
Name	OJ000118_21.0313.C16.o3.gs	Method	GENSCAN
Start	7358	End	10597
GI	none	Score	.6
Exons	7358..8551, 8581..9241, 9336..9504, 9532..10597		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81294	Strand	-
Start	7358	End	10597
Name	OJ000118_21.0313.C16.o2.np	Method	AAT/NAP
Start	7361	End	10597
GI	6907089	Score	4099
Exons	7361..9241, 9336..10597		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81295	Strand	-
Start	12724	End	12866
Name	OJ000118_21.0313.C16.o4.np	Method	AAT/NAP
Start	12724	End	12866
GI	3914423	Score	166
Exons	12724..12866		
GI Descrip.	PROFILIN 4 gi|2642324 (AF032370) profilin [Zea mays]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81296	Strand	-
Start	15822	End	17064
Name	OJ000118_21.0313.C16.o1.gp	Method	AAT/GAP
Start	15642	End	17064
GI	10594_1.R1084	Score	2054
Exons	15642..16077, 16398..17064		
GI Descrip.	'3341443/emb|CAA11075| 2.0e-31 (AJ223074) acid phosphatase [Glycine max]'		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81296	Strand	-
Start	15822	End	17064
Name	OJ000118_21.0313.C16.o5.gs	Method	GENSCAN
Start	15822	End	17053
GI	none	Score	1
Exons	15822..16077, 16398..17053		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81296	Strand	-
Start	15822	End	17064
Name	OJ000118_21.0313.C16.o5.np	Method	AAT/NAP
Start	15897	End	17047
GI	7442053	Score	474

Exons	15897..16077, 16398..17047		
GI Descrip.	acid phosphatase (EC 3.1.3.-) - soybean gi|3341443|emb|CAA11075.1| (AJ223074) acid phosphatase [Glycine max]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o6.tw	Method	TBLASTX:Wheat
Start	1221	End	1613
GI	none	Score	58
Exons	1221..1268, 1275..1373, 1292..1372, 1340..1579, 1356..1613		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o6.tm	Method	TBLASTX:Maize
Start	1226	End	1511
GI	none	Score	193
Exons	1226..1510, 1263..1511		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o3.tw	Method	TBLASTX:Wheat
Start	2351	End	2837
GI	none	Score	411
Exons	2351..2524, 2352..2837, 2546..2833		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o1.tw	Method	TBLASTX:Wheat
Start	3002	End	3443
GI	none	Score	573
Exons	3002..3442, 3003..3443		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o4.ts	Method	TBLASTX:Soybean
Start	3042	End	3407
GI	none	Score	116
Exons	3042..3266, 3273..3407		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o3.tm	Method	TBLASTX:Maize
Start	3132	End	3489
GI	none	Score	333
Exons	3132..3437, 3167..3442, 3445..3489		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o2.tm	Method	TBLASTX:Maize

Start	3516	End	3900
GI	none	Score	360
Exons	3516..3881, 3517..3900		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o2.tw	Method	TBLASTX:Wheat
Start	3574	End	3998
GI	none	Score	485
Exons	3574..3993, 3579..3998		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o2.ts	Method	TBLASTX:Soybean
Start	3652	End	4023
GI	none	Score	278
Exons	3652..4023, 3669..3812		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o5.tw	Method	TBLASTX:Wheat
Start	4624	End	5082
GI	none	Score	234
Exons	4624..4872, 4648..4872, 4713..4886, 4942..5082, 4944..5081		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o3.ts	Method	TBLASTX:Soybean
Start	4771	End	5337
GI	5666795	Score	68
Exons	4771..4869, 4945..5082, 5137..5337		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o8.tw	Method	TBLASTX:Wheat
Start	5085	End	5397
GI	none	Score	192
Exons	5085..5261, 5098..5286, 5137..5397		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o1.tm	Method	TBLASTX:Maize
Start	5590	End	5913
GI	none	Score	361
Exons	5590..5913, 5619..5900		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o4.tw	Method	TBLASTX:Wheat

Start	5727	End	6108
GI	none	Score	375
Exons	5727..5783, 5728..6108, 5829..6077		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o7.tw	Method	TBLASTX:Wheat
Start	6109	End	6711
GI	none	Score	265
Exons	6109..6393, 6114..6392, 6585..6707, 6586..6711		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o5.tm	Method	TBLASTX:Maize
Start	6580	End	6762
GI	none	Score	201
Exons	6580..6762, 6585..6761		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o7.tm	Method	TBLASTX:Maize
Start	8803	End	12859
GI	none	Score	138
Exons	8803..8874, 8871..8927, 12688..12819, 12719..12808, 12827..12859		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o1.tc	Method	TBLASTX:Cress
Start	15900	End	16882
GI	none	Score	76
Exons	15900..16007, 15901..16002, 16397..16462, 16475..16699, 16494..16694, 16703..16882		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o1.ts	Method	TBLASTX:Soybean
Start	15900	End	16879
GI	none	Score	98
Exons	15900..16022, 15901..16002, 16442..16690, 16476..16691, 16757..16879, 16782..16874		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o4.tm	Method	TBLASTX:Maize
Start	15940	End	16823
GI	none	Score	86
Exons	15940..16002, 15942..16010, 15990..16052, 16443..16475, 16475..16678, 16491..16688, 16757..16822, 16767..16823		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-

Start	17362	End	17800
Name	OJ000118_21.0313.C16.o6.gs	Method	GENSCAN
Start	17362	End	17800
GI	none	Score	.52
Exons	17362..17466, 17692..17800		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81298	Strand	+
Start	5444	End	12734
Name	OJ000118_21.0313.C17.o2.gs	Method	GENSCAN
Start	5444	End	12734
GI	none	Score	.81
Exons	5444..5513, 6223..6325, 6586..6692, 7156..7226, 8422..8613, 8814..8943, 9482..10071, 10832..11086, 12081..12209, 12672..12734		

Seq. No.	39389	Seq. ID	OJ000[illegible]3.C17
Gene No.	81298	Strand	+
Start	5444	End	12734
Name	OJ000118_21.0313.C17.o3.gp	Method	AAT/GAP
Start	7486	End	7965
GI	none	Score	312
Exons	7486..7508, 7761..7965		

Seq. No.	39389	Seq. ID	OJ000118_2[illegible]13.C17
Gene No.	81298	Strand	+
Start	5444	End	12734
Name	OJ000118_21.0313.C17.o4.gp	Method	AAT/GAP
Start	8245	End	9553
GI	41770_1.R1084	Score	918
Exons	8245..8305, 8422..8613, 8766..8943, 9482..9553		
GI Descrip.	'2842493/emb|CAA16890.1| 6.0e-37 (AL021749) predicted protein [Arabidopsis thaliana]'		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81298	Strand	+
Start	5444	End	12734
Name	OJ000118_21.0313.C17.o2.np	Method	AAT/NAP
Start	8488	End	11086
GI	7487112	Score	911
Exons	8488..8613, 8763..8943, 9482..10118, 10838..11086		
GI Descrip.	hypothetical protein T17A13.50 - Arabidopsis thaliana gi|7269821|emb|CAB79681.1| (AL161574) putative protein [Arabidopsis thaliana]		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81298	Strand	+
Start	5444	End	12734
Name	OJ000118_21.0313.C17.o5.gp	Method	AAT/GAP
Start	10845	End	12614
GI	3107511	Score	587
Exons	10845..11086, 12126..12225, 12596..12614		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.np	Method	AAT/NAP

Start	1	End	2452
GI	2117355	Score	828
Exons	1..26, 94..167, 249..426, 526..692, 782..1078, 1170..1374, 2385..2452		
GI Descrip.	mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato gi|587562|emb|CAA56520| (X80236) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.tm	Method	TBLASTX:Maize
Start	96	End	1418
GI	none	Score	105
Exons	96..179, 97..183, 99..179, 107..187, 136..183, 260..373, 261..374, 262..375, 375..425, 376..426, 377..427, 496..609, 500..613, 522..650, 539..652, 606..680, 609..692, 779..1078, 782..1072, 784..1080, 1173..1418, 1177..1413, 1226..1417		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.ts	Method	TBLASTX:Soybean
Start	99	End	1367
GI	none	Score	62
Exons	99..167, 122..187, 251..373, 285..374, 376..426, 380..427, 496..609, 524..661, 609..692, 779..820, 780..815, 808..987, 818..1063, 821..1075, 822..1076, 1170..1367, 1171..1341		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.gp	Method	AAT/GAP
Start	252	End	688
GI	4968869	Score	610
Exons	252..426, 526..688		
GI Descrip.	2117355/pir||S51590 2.0e-31 mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato >gi_587562_emb_CAA56520_ (X80236) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.tw	Method	TBLASTX:Wheat
Start	275	End	816
GI	none	Score	121
Exons	275..373, 279..374, 280..375, 376..423, 380..424, 496..609, 500..613, 527..661, 590..694, 606..701, 609..692, 777..815, 778..816, 778..813		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.tc	Method	TBLASTX:Cress
Start	609	End	1346
GI	none	Score	46

Exons	609..692, 611..694, 779..1075, 782..1063, 786..1076, 1170..1346, 1171..1332		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.gs	Method	GENSCAN
Start	782	End	4778
GI	none	Score	.78
Exons	782..1078, 1170..1415, 2250..2312, 2713..2864, 3078..3209, 3933..4187, 4658..4778		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o2.gp	Method	AAT/GAP
Start	994	End	1417
GI	uC-osflM202061f12b1	Score	568
Exons	994..1078, 1170..1417		
GI Descrip.	'2117355/pir||S51590 6.0e-31 mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato >gi_587562_emb_CAA56520_ (X80236) mitochondrial processing peptidase [Solanum tuberosum]'		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81300	Strand	
Start	8759	End	8951
Name	OJ000118_21.0313.C17.o3.ts	Method	TBLASTX:Soybean
Start	8759	End	8951
GI	none	Score	263
Exons	8759..8947, 8766..8951		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81301	Strand	
Start	9489	End	9819
Name	OJ000118_21.0313.C17.o2.tm	Method	TBLASTX:Maize
Start	9489	End	9741
GI	none	Score	288
Exons	9489..9731, 9492..9740, 9493..9741		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81301	Strand	
Start	9489	End	9819
Name	OJ000118_21.0313.C17.o2.ts	Method	TBLASTX:Soybean
Start	9505	End	9819
GI	none	Score	108
Exons	9505..9576, 9510..9581, 9547..9819, 9594..9818		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81302	Strand	
Start	10026	End	11035
Name	OJ000118_21.0313.C17.o3.tm	Method	TBLASTX:Maize
Start	10026	End	11035
GI	none	Score	75
Exons	10026..10067, 10027..10083, 10819..11022, 10826..11035, 10829..10870, 10831..10881, 10918..11034, 10958..11035		

Seq. No.	39390	Seq. ID	OJ000118_21.0313.C18
Gene No.	81303	Strand	-
Start	25	End	90
Name	OJ000118_21.0313.C18.o1.gs	Method	GENSCAN
Start	25	End	90
GI	none	Score	.53
Exons	25..90		

Seq. No.	39391	Seq. ID	OJ000208_28.0309.C2
Gene No.	81304	Strand	+
Start	410	End	803
Name	OJ000208_28.0309.C2.o1.gs	Method	GENSCAN
Start	410	End	803
GI	none	Score	.72
Exons	410..522, 712..803		

Seq. No.	39391	Seq. ID	OJ000208_28.0309.C2
Gene No.	81305	Strand	+
Start	1400	End	1485
Name	OJ000208_28.0309.C2.o1.gp	Method	AAT/GAP
Start	1400	End	1485
GI	none	Score	115
Exons	1400..1485		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.gs	Method	GENSCAN
Start	320	End	3986
GI	none	Score	.99
Exons	320..436, 970..1143, 1223..1363, 1538..3204, 3383..3491, 3606..3986		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.np	Method	AAT/NAP
Start	991	End	3872
GI	2088657	Score	568
Exons	991..1143, 1223..1371, 1546..2536, 2588..3207, 3380..3491, 3606..3872		
GI Descrip.	(AF002109) unknown protein [Arabidopsis thaliana]		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	1325	End	2221
GI	none	Score	62
Exons	1325..1366, 1535..1666, 1535..1666, 1536..1667, 1664..1819, 1669..1842, 1669..1836, 1671..1859, 1853..1894, 1873..1950, 1874..1951, 1892..1951, 1983..2045, 1986..2078, 2090..2221		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.gp	Method	AAT/GAP

Start	1765	End	2099
GI	none	Score	491
Exons	1765..2099		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o2.gp	Method	AAT/GAP
Start	2486	End	2847
GI	none	Score	667
Exons	2486..2847		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.ts	Method	TBLASTX:Soybean
Start	3380	End	3716
GI	none	Score	109
Exons	3380..3493, 3381..3494, 3605..3694, 3606..3716		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o2.tm	Method	TBLASTX:Maize
Start	3381	End	3748
GI	none	Score	153
Exons	3381..3485, 3384..3494, 3395..3493, 3605..3748, 3606..3746		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o3.np	Method	AAT/NAP
Start	3383	End	3773
GI	6523066	Score	170
Exons	3383..3491, 3606..3773		
GI Descrip.	(AL133314) putative protein [Arabidopsis thaliana]		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	3402	End	3770
GI	none	Score	73
Exons	3402..3494, 3606..3770		

Seq. No.	39393	Seq. ID	OJ000208_28.0309.C6
Gene No.	81307	Strand	+
Start	526	End	4795
Name	OJ000208_28.0309.C6.o1.gs	Method	GENSCAN
Start	526	End	4754
GI	none	Score	.7
Exons	526..915, 1035..1133, 1609..1730, 2153..2230, 2275..2398, 3067..3138, 3258..3386, 4611..4754		

Seq. No.	39393	Seq. ID	OJ000208_28.0309.C6
Gene No.	81307	Strand	+
Start	526	End	4795

Name	OJ000208_28.0309.C6.o1.gp	Method	AAT/GAP
Start	670	End	2232
GI	LIB3434-038-P1-K1-C10	Score	461
Exons	670..744, 851..915, 1035..1133, 2183..2232		
GI Descrip.	'5730130/emb|CAB52464.1| 5.0e-14 (AL109796) putative protein [Arabidopsis thaliana]'		

Seq. No.	39393	Seq. ID	OJ000208_28.0309.C6
Gene No.	81307	Strand	+
Start	526	End	4795
Name	OJ000208_28.0309.C6.o1.tw	Method	TBLASTX:Wheat
Start	4631	End	4795
GI	none	Score	185
Exons	4631..4795, 4632..4769, 4639..4785		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81308	Strand	+
Start	1150	End	5611
Name	OJ000208_28.0309.C7.o1.gs	Method	GENSCAN
Start	1150	End	4311
GI	none	Score	.59
Exons	1150..1380, 1820..1881, 2363..2951, 3072..3485, 3790..4311		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81308	Strand	+
Start	1150	End	5611
Name	OJ000208_28.0309.C7.o1.np	Method	AAT/NAP
Start	2382	End	5608
GI	6907089	Score	4133
Exons	2382..3643, 3747..5608		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81308	Strand	+
Start	1150	End	5611
Name	OJ000208_28.0309.C7.o2.gs	Method	GENSCAN
Start	4378	End	5611
GI	none	Score	.61
Exons	4378..5219, 5290..5611		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o3.gs	Method	GENSCAN
Start	6230	End	10109
GI	none	Score	.62
Exons	6230..7447, 7526..9053, 9134..9858, 9876..10109		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o3.tm	Method	TBLASTX:Maize
Start	6230	End	6373
GI	none	Score	125
Exons	6230..6373, 6234..6368		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7

Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o2.np	Method	AAT/NAP
Start	6233	End	10127
GI	7228457	Score	4531
Exons	6233..7783, 7850..10127		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o4.tw	Method	TBLASTX:Wheat
Start	6242	End	6844
GI	none	Score	72
Exons	6242..6367, 6249..6368, 6555..6839, 6560..6844		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o1.tw	Method	TBLASTX:Wheat
Start	6845	End	7226
GI	none	Score	217
Exons	6845..7225, 6876..7226		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	7031	End	7363
GI	none	Score	84
Exons	7031..7243, 7040..7363, 7053..7319		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o6.tw	Method	TBLASTX:Wheat
Start	7565	End	7816
GI	none	Score	190
Exons	7565..7816		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	7616	End	8182
GI	5666795	Score	68
Exons	7616..7816, 7871..8008, 8084..8182		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o2.tw	Method	TBLASTX:Wheat
Start	7871	End	8329
GI	none	Score	88

Exons	7871..8020, 7872..8009, 8064..8240, 8081..8305, 8108..8329		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o2.tm	Method	TBLASTX:Maize
Start	8684	End	9023
GI	none	Score	52
Exons	8684..8767, 8685..8723, 8786..9022, 8793..9023		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o3.tw	Method	TBLASTX:Wheat
Start	8687	End	9022
GI	none	Score	98
Exons	8687..9022, 8880..9020		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o5.tw	Method	TBLASTX:Wheat
Start	9022	End	9282
GI	none	Score	96
Exons	9022..9282, 9023..9214		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o7.tw	Method	TBLASTX:Wheat
Start	9894	End	10127
GI	none	Score	81
Exons	9894..10127, 9928..10083		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81310	Strand	+
Start	4234	End	10816
Name	OJ000208_28.0309.C8.o2.gs	Method	GENSCAN
Start	4234	End	10816
GI	none	Score	.46
Exons	4234..4357, 7510..8197, 9198..9502, 9580..10330, 10384..10816		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81310	Strand	+
Start	4234	End	10816
Name	OJ000208_28.0309.C8.o1.gp	Method	AAT/GAP
Start	6014	End	7687
GI	4878396	Score	424
Exons	6014..6061, 7510..7687		
GI Descrip.	5730130/emb|CAB52464.1| 5.0e-14 (AL109796) putative protein [Arabidopsis thaliana]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81310	Strand	+
Start	4234	End	10816
Name	OJ000208_28.0309.C8.o2.np	Method	AAT/NAP
Start	7491	End	10813

GI	7486763	Score	1004
Exons	7491..8197, 9198..10268, 10428..10813		
GI Descrip.	hypothetical protein F9N11.50 - Arabidopsis thaliana gi|5730130|emb|CAB52464.1| (AL109796) putative protein [Arabidopsis thaliana] gi|7269920|emb|CAB81013.1| (AL161576) putative protein [Arabidopsis thaliana]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81310	Strand	+
Start	4234	End	10816
Name	OJ000208_28.0309.C8.o2.gp	Method	AAT/GAP
Start	9286	End	9851
GI	6633_1.R1084	Score	900
Exons	9286..9502, 9580..9851		
GI Descrip.	'5730130/emb|CAB52464.1| 2.0e-12 (AL109796) putative protein [Arabidopsis thaliana]'		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81311	Strand	+
Start	10755	End	11270
Name	OJ000208_28.0309.C8.o3.gp	Method	AAT/GAP
Start	10755	End	11270
GI	LIB3434-044-P1-K1-E8	Score	1009
Exons	10755..11270		
GI Descrip.	'3914598/sp|O24045|RBS_MUSAC 4.0e-19 RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN PRECURSOR (RUBISCO SMALL SUBUNIT) >gi_2258433 (AF008214) ribulose-1,5-bisphosphate carboxylase small subunit [Musa acuminata]'		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81312	Strand	+
Start	19817	End	20340
Name	OJ000208_28.0309.C8.o4.np	Method	AAT/NAP
Start	19817	End	20340
GI	7444451	Score	206
Exons	19817..20340		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81313	Strand	+
Start	23522	End	24721
Name	OJ000208_28.0309.C8.o6.gs	Method	GENSCAN
Start	23522	End	24721
GI	none	Score	.99
Exons	23522..24721		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81314	Strand	+
Start	24973	End	28864
Name	OJ000208_28.0309.C8.o5.np	Method	AAT/NAP
Start	24973	End	28864
GI	3249105	Score	281
Exons	24973..24997, 26537..26755, 26886..26949, 28845..28864		
GI Descrip.	(AC003114) Contains similarity to protein phosphatase 2C (ABI1) gb|X78886 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81314	Strand	+
Start	24973	End	28864
Name	OJ000208_28.0309.C8.o5.gp	Method	AAT/GAP
Start	26457	End	26700
GI	2275945	Score	389
Exons	26457..26700		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81314	Strand	+
Start	24973	End	28864
Name	OJ000208_28.0309.C8.o6.gp	Method	AAT/GAP
Start	27600	End	28579
GI	none	Score	635
Exons	27600..27698, 27785..27912, 28075..28169, 28493..28579		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81315	Strand	+
Start	29664	End	29981
Name	OJ000208_28.0309.C8.o7.gp	Method	AAT/GAP
Start	29664	End	29981
GI	none	Score	498
Exons	29664..29981		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81316	Strand	-
Start	1	End	2550
Name	OJ000208_28.0309.C8.o1.np	Method	AAT/NAP
Start	1	End	733
GI	6721562	Score	881
Exons	1..733		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81316	Strand	-
Start	1	End	2550
Name	OJ000208_28.0309.C8.o1.gs	Method	GENSCAN
Start	28	End	2550
GI	none	Score	.51
Exons	28..751, 805..1011, 1605..1676, 2527..2550		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81317	Strand	-
Start	12117	End	12973
Name	OJ000208_28.0309.C8.o3.gs	Method	GENSCAN
Start	12117	End	12973
GI	none	Score	.87
Exons	12117..12380, 12526..12657, 12818..12973		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81317	Strand	-
Start	12117	End	12973

Name	OJ000208_28.0309.C8.o4.gp	Method	AAT/GAP
Start	12202	End	12635
GI	2280664	Score	850
Exons	12202..12635		
GI Descrip.	3914598/sp|O24045|RBS_MUSAC 4.0e-19 RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN PRECURSOR (RUBISCO SMALL SUBUNIT) >gi_2258433 (AF008214) ribulose-1,5-bisphosphate carboxylase small subunit [Musa acuminata]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81318	Strand	-
Start	13171	End	18310
Name	OJ000208_28.0309.C8.o3.np	Method	AAT/NAP
Start	13171	End	18202
GI	4337196	Score	1058
Exons	13171..13268, 14418..15141, 15588..15866, 15963..16149, 16291..16979, 17109..17230, 17487..17533, 17949..18202		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81318	Strand	-
Start	13171	End	18310
Name	OJ000208_28.0309.C8.o4.gs	Method	GENSCAN
Start	14190	End	18310
GI	none	Score	.93
Exons	14190..14264, 14401..15141, 15702..15851, 16281..16358, 17487..17608, 18013..18310		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o6.ts	Method	TBLASTX:Soybean
Start	7493	End	7721
GI	none	Score	212
Exons	7493..7717, 7509..7721		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o9.tm	Method	TBLASTX:Maize
Start	7508	End	7727
GI	none	Score	242
Exons	7508..7540, 7541..7714, 7551..7721, 7551..7727		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o6.tm	Method	TBLASTX:Maize
Start	7767	End	8045
GI	none	Score	136
Exons	7767..7874, 7768..7878, 7769..7918, 7860..7946, 7895..7948, 7955..8044, 7956..8045		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o5.ts	Method	TBLASTX:Soybean

Start	7923	End	9450
GI	none	Score	174
Exons	7923..8045, 7925..8044, 8055..8135, 8060..8134, 8144..8203, 8145..8198, 9201..9374, 9202..9378, 9375..9449, 9376..9450		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o4.tc	Method	TBLASTX:Cress
Start	8040	End	9884
GI	none	Score	86
Exons	8040..8135, 9184..9375, 9189..9269, 9288..9452, 9382..9483, 9597..9650, 9675..9884		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o4.tm	Method	TBLASTX:Maize
Start	9197	End	9649
GI	none	Score	288
Exons	9197..9469, 9201..9473, 9201..9476, 9202..9477, 9587..9649, 9588..9644		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o3.tm	Method	TBLASTX:Maize
Start	9880	End	10256
GI	none	Score	251
Exons	9880..10233, 9884..10063, 9888..10256, 9904..10137, 10065..10235, 10112..10252		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	10340	End	11091
GI	none	Score	568
Exons	10340..10771, 10345..10767, 10531..10773, 10786..10935, 10787..10930, 10788..10955, 10792..10956, 11062..11091		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o2.ts	Method	TBLASTX:Soybean
Start	10538	End	10821
GI	none	Score	322
Exons	10538..10816, 10540..10821, 10540..10812, 10562..10813		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o3.tc	Method	TBLASTX:Cress
Start	10538	End	10828
GI	none	Score	234
Exons	10538..10792, 10538..10654, 10561..10752, 10781..10828		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	12145	End	12640
GI	none	Score	150
Exons	12145..12381, 12165..12377, 12523..12636, 12524..12640, 12524..12637		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o4.ts	Method	TBLASTX:Soybean
Start	12160	End	12655
GI	none	Score	72
Exons	12160..12249, 12163..12234, 12165..12377, 12252..12314, 12295..12378, 12521..12655, 12529..12654		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o5.tc	Method	TBLASTX:Cress
Start	12160	End	12654
GI	none	Score	128
Exons	12160..12378, 12165..12377, 12535..12654		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o7.tm	Method	TBLASTX:Maize
Start	12160	End	12654
GI	none	Score	93
Exons	12160..12381, 12165..12377, 12481..12654		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	14470	End	15003
GI	none	Score	143
Exons	14470..14790, 14830..15003		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	14473	End	15155
GI	none	Score	532
Exons	14473..15147, 14477..15142, 14644..15150, 14742..15155		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o2.tc	Method	TBLASTX:Cress
Start	14473	End	14827
GI	none	Score	107
Exons	14473..14718, 14477..14719, 14719..14814, 14720..14827		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o2.tw	Method	TBLASTX:Wheat
Start	14662	End	15003
GI	none	Score	59
Exons	14662..14790, 14702..14791, 14827..15003, 14846..14908		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o1.tc	Method	TBLASTX:Cress
Start	14875	End	15142
GI	none	Score	157
Exons	14875..15141, 14876..15142		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o10.tm	Method	TBLASTX:Maize
Start	15585	End	16361
GI	none	Score	69
Exons	15585..15770, 16266..16361		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o5.gs	Method	GENSCAN
Start	21699	End	22742
GI	none	Score	.97
Exons	21699..22742		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81320	Strand	
Start	24034	End	24565
Name	OJ000208_28.0309.C8.o8.tm	Method	TBLASTX:Maize
Start	24034	End	24565
GI	none	Score	243
Exons	24034..24321, 24035..24322, 24449..24565		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81321	Strand	
Start	26536	End	26945
Name	OJ000208_28.0309.C8.o5.tm	Method	TBLASTX:Maize
Start	26536	End	26945
GI	none	Score	330
Exons	26536..26757, 26537..26758, 26737..26766, 26884..26943, 26884..26940, 26885..26941, 26886..26945		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81321	Strand	
Start	26536	End	26945
Name	OJ000208_28.0309.C8.o3.ts	Method	TBLASTX:Soybean
Start	26542	End	26924
GI	none	Score	281
Exons	26542..26757, 26543..26758, 26886..26924		

Seq. No.	39396	Seq. ID	OJ000208_28.0309.C9
Gene No.	81322	Strand	+
Start	1	End	1390
Name	OJ000208_28.0309.C9.o1.gp	Method	AAT/GAP
Start	1	End	1390
GI	none	Score	622
Exons	1..96, 1166..1390		

Seq. No.	39396	Seq. ID	OJ000208_28.0309.C9
Gene No.	81322	Strand	+
Start	1	End	1390
Name	OJ000208_28.0309.C9.o1.gs	Method	GENSCAN
Start	41	End	786
GI	none	Score	.57
Exons	41..96, 702..786		

Seq. No.	39396	Seq. ID	OJ000208_28.0309.C9
Gene No.	81323	Strand	-
Start	1459	End	1559
Name	OJ000208_28.0309.C9.o2.gp	Method	AAT/GAP
Start	1459	End	1559
GI	none	Score	181
Exons	1459..1559		

Seq. No.	39397	Seq. ID	OJ000208_28.0309.C10
Gene No.	81324	Strand	+
Start	103	End	2751
Name	OJ000208_28.0309.C10.o1.gp	Method	AAT/GAP
Start	103	End	2751
GI	none	Score	1103
Exons	103..178, 1728..1902, 2382..2751		

Seq. No.	39397	Seq. ID	OJ000208_28.0309.C10
Gene No.	81325	Strand	-
Start	2337	End	5772
Name	OJ000208_28.0309.C10.o1.gs	Method	GENSCAN
Start	2337	End	5383
GI	none	Score	.49
Exons	2337..2507, 4451..4498, 5051..5116, 5212..5383		

Seq. No.	39397	Seq. ID	OJ000208_28.0309.C10
Gene No.	81325	Strand	-
Start	2337	End	5772
Name	OJ000208_28.0309.C10.o1.np	Method	AAT/NAP
Start	3390	End	5772
GI	585312	Score	152
Exons	3390..3529, 5571..5772		
GI Descrip.	KETOL-ACID REDUCTOISOMERASE PRECURSOR (ACETOHYDROXY-ACID REDUCTOISOMERASE) (ALPHA-KETO-BETA-HYDROXYLACIL REDUCTOISOMERASE) gi|288063|emb|CAA48253.1| (X68150) ketol-acid reductoisomerase [Arabidopsis thaliana]		

Seq. No.	39397	Seq. ID	OJ000208_28.0309.C10
Gene No.	81325	Strand	-
Start	2337	End	5772
Name	OJ000208_28.0309.C10.o1.ts	Method	TBLASTX:Soybean

Start	5561	End	5709
GI	none	Score	156
Exons	5561..5704, 5563..5709, 5564..5704, 5569..5709		

Seq. No.	39397	Seq. ID	OJ000208_28.0309.C10
Gene No.	81325	Strand	-
Start	2337	End	5772
Name	OJ000208_28.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	5569	End	5709
GI	none	Score	172
Exons	5569..5709, 5570..5707		

Seq. No.	39397	Seq. ID	OJ000208_28.0309.C10
Gene No.	81325	Strand	-
Start	2337	End	5772
Name	OJ000208_28.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	5569	End	5709
GI	none	Score	200
Exons	5569..5709, 5570..5707		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81326	Strand	+
Start	1836	End	2102
Name	OJ000208_28.0309.C11.o1.gs	Method	GENSCAN
Start	1836	End	2102
GI	none	Score	.79
Exons	1836..2102		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81327	Strand	+
Start	4215	End	5348
Name	OJ000208_28.0309.C11.o2.np	Method	AAT/NAP
Start	4215	End	5348
GI	6478142	Score	122
Exons	4215..4329, 5040..5170, 5252..5348		
GI Descrip.	(AJ242801) putative translation initiation factor eIF-1 [Sporobolus stapfianus]		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81328	Strand	+
Start	12313	End	21624
Name	OJ000208_28.0309.C11.o3.gs	Method	GENSCAN
Start	12313	End	18377
GI	none	Score	.4
Exons	12313..12396, 14367..14377, 15352..15461, 15499..15598, 16293..16503, 16593..16813, 17061..17178, 17731..17985, 18357..18377		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81328	Strand	+
Start	12313	End	21624
Name	OJ000208_28.0309.C11.o3.np	Method	AAT/NAP
Start	16264	End	21590
GI	7484856	Score	1579
Exons	16264..16503, 16593..16805, 17084..17287, 17731..17985, 20884..21162, 21193..21590		
GI Descrip.	cellulase (EC 3.2.1.4) T21L14.7 - Arabidopsis thaliana		

gi|2702268|gb|AAB91971.1| (AC003033) putative glucanse [Arabidopsis thaliana]

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81328	Strand	+
Start	12313	End	21624
Name	OJ000208_28.0309.C11.o4.gp	Method	AAT/GAP
Start	20822	End	21600
GI	66629_1.R1084	Score	1505
Exons	20822..21600		
GI Descrip.	'2702268 3.0e-58 (AC003033) putative cellulase [Arabidopsis thaliana]'		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81328	Strand	+
Start	12313	End	21624
Name	OJ000208_28.0309.C11.o4.gs	Method	GENSCAN
Start	20866	End	21624
GI	none	Score	.72
Exons	20866..21624		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81329	Strand	-
Start	1255	End	1631
Name	OJ000208_28.0309.C11.o1.np	Method	AAT/NAP
Start	1255	End	1631
GI	5731737	Score	86
Exons	1255..1382, 1470..1631		
GI Descrip.	(AB021878) similar to yeast sodium/proton exchanger [Oryza sativa]		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81330	Strand	-
Start	3045	End	7654
Name	OJ000208_28.0309.C11.o2.gs	Method	GENSCAN
Start	3045	End	7654
GI	none	Score	.78
Exons	3045..3116, 3144..3295, 4126..4265, 4494..4970, 7097..7233, 7331..7654		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81330	Strand	-
Start	3045	End	7654
Name	OJ000208_28.0309.C11.o1.gp	Method	AAT/GAP
Start	3783	End	4715
GI	23897_1.R1084	Score	1594
Exons	3783..4406, 4494..4715		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 5.0e-58 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81331	Strand	-
Start	7569	End	7915
Name	OJ000208_28.0309.C11.o2.gp	Method	AAT/GAP
Start	7569	End	7915
GI	none	Score	618
Exons	7569..7915		

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Seq. No.      39398                         Seq. ID   OJ000208_28.0309.C11
Gene No.      81332                         Strand    -
Start         10612                         End       10710
Name          OJ000208_28.0309.C11.o3.gp    Method    AAT/GAP
Start         10612                         End       10710
GI            LIB3477-003-P1-K1-E9          Score     158
Exons         10612..10710
GI Descrip.   '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
              S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
              sativa]'

Seq. No.      39398                         Seq. ID   OJ000208_28.0309.C11
Gene No.      81333                         Strand    -
Start         22296                         End       22577
Name          OJ000208_28.0309.C11.o5.tm    Method    TBLASTX:Maize
Start         8906                          End       9311
GI            none                          Score     135
Exons         8906..9094, 9120..9311

Seq. No.      39398                         Seq. ID   OJ000208_28.0309.C11
Gene No.      81333                         Strand    -
Start         22296                         End       22577
Name          OJ000208_28.0309.C11.o6.tm    Method    TBLASTX:Maize
Start         9521                          End       9790
GI            none                          Score     77
Exons         9521..9790, 9642..9788

Seq. No.      39398                         Seq. ID   OJ000208_28.0309.C11
Gene No.      81333                         Strand    -
Start         22296                         End       22577
Name          OJ000208_28.0309.C11.o1.tc    Method    TBLASTX:Cress
Start         16375                         End       21453
GI            none                          Score     147
Exons         16375..16491, 16587..16694, 16592..16681, 16746..16808,
              16799..16900, 17081..17239, 17794..17913, 20899..20970,
              20998..21111, 21205..21285, 21213..21326, 21354..21452,
              21367..21453

Seq. No.      39398                         Seq. ID   OJ000208_28.0309.C11
Gene No.      81333                         Strand    -
Start         22296                         End       22577
Name          OJ000208_28.0309.C11.o2.tm    Method    TBLASTX:Maize
Start         16378                         End       17236
GI            none                          Score     144
Exons         16378..16491, 16408..16491, 16592..16789, 16593..16808,
              17081..17236

Seq. No.      39398                         Seq. ID   OJ000208_28.0309.C11
Gene No.      81333                         Strand    -
Start         22296                         End       22577
Name          OJ000208_28.0309.C11.o2.ts    Method    TBLASTX:Soybean
Start         16378                         End       16694
GI            none                          Score     191
Exons         16378..16500, 16395..16475, 16592..16681, 16593..16694

Seq. No.      39398                         Seq. ID   OJ000208_28.0309.C11
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Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o1.tw	Method	TBLASTX:Wheat
Start	16381	End	16765
GI	none	Score	121
Exons	16381..16497, 16599..16688, 16601..16672, 16727..16765, 16746..16763		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o3.ts	Method	TBLASTX:Soybean
Start	17093	End	17886
GI	none	Score	182
Exons	17093..17242, 17101..17178, 17728..17886		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o1.tm	Method	TBLASTX:Maize
Start	17719	End	17966
GI	none	Score	377
Exons	17719..17964, 17787..17966		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o1.ts	Method	TBLASTX:Soybean
Start	17890	End	21521
GI	none	Score	109
Exons	17890..17988, 20899..20985, 20916..20969, 20971..21135, 21003..21077, 21190..21447, 21207..21446, 21465..21521, 21467..21517		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o3.tm	Method	TBLASTX:Maize
Start	21001	End	21263
GI	none	Score	187
Exons	21001..21135, 21003..21080, 21187..21261, 21207..21263		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o4.tm	Method	TBLASTX:Maize
Start	21333	End	21542
GI	none	Score	183
Exons	21333..21455, 21340..21456, 21423..21542, 21465..21521		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o5.gs	Method	GENSCAN
Start	22296	End	22577
GI	none	Score	.72
Exons	22296..22577		

Seq. No.	39399	Seq. ID	OJ000208_28.0309.C12
Gene No.	81334	Strand	+
Start	402	End	2321
Name	OJ000208_28.0309.C12.o1.gs	Method	GENSCAN
Start	402	End	1970
GI	none	Score	.96
Exons	402..471, 510..566, 626..1181, 1486..1970		

Seq. No.	39399	Seq. ID	OJ000208_28.0309.C12
Gene No.	81334	Strand	+
Start	402	End	2321
Name	OJ000208_28.0309.C12.o1.np	Method	AAT/NAP
Start	528	End	2321
GI	7446408	Score	594
Exons	528..1160, 1475..1970, 2181..2321		
GI Descrip.	serine/threonine-specific protein kinase (EC 2.7.1.-) F27F23.1 - Arabidopsis thaliana gi|3135251|gb|AAC16451.1| (AC003058) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	39399	Seq. ID	OJ000208_28.0309.C12
Gene No.	81334	Strand	+
Start	402	End	2321
Name	OJ000208_28.0309.C12.o1.tc	Method	TBLASTX:Cress
Start	624	End	2308
GI	none	Score	198
Exons	624..749, 625..840, 795..839, 841..1098, 843..1085, 1865..1969, 2158..2271, 2162..2305, 2186..2308		

Seq. No.	39399	Seq. ID	OJ000208_28.0309.C12
Gene No.	81334	Strand	+
Start	402	End	2321
Name	OJ000208_28.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	625	End	1053
GI	none	Score	45
Exons	625..648, 760..831, 841..951, 979..1053		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.np	Method	AAT/NAP
Start	1	End	2277
GI	7269844	Score	582
Exons	1..296, 454..649, 865..1040, 1404..1466, 1599..1785, 1929..2277		
GI Descrip.	(AL161575) serine/threonine-specific receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.gs	Method	GENSCAN
Start	133	End	2391
GI	none	Score	.75
Exons	133..296, 442..662, 914..1040, 1599..1785, 1929..2391		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+

Start	1	End	2391
Name	OJ000208_28.0309.C13.o2.tm	Method	TBLASTX:Maize
Start	468	End	955
GI	none	Score	185
Exons	468..665, 486..662, 524..664, 574..666, 902..955		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	956	End	2034
GI	none	Score	147
Exons	956..1039, 956..1039, 957..1043, 1334..1468, 1388..1468, 1597..1776, 1598..1819, 1926..1997, 1929..2033, 1930..2034		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.tc	Method	TBLASTX:Cress
Start	1597	End	2060
GI	none	Score	174
Exons	1597..1770, 1598..1813, 1930..2013, 1950..2060		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.ts	Method	TBLASTX:Soybean
Start	1597	End	2010
GI	none	Score	180
Exons	1597..1770, 1598..1813, 1930..2010, 1950..2006		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.tw	Method	TBLASTX:Wheat
Start	1598	End	2019
GI	none	Score	186
Exons	1598..1786, 1930..2019, 1950..2018		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o2.tm	Method	TBLASTX:Maize
Start	392	End	695
GI	none	Score	155
Exons	392..679, 392..682, 402..683, 492..695, 589..690		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o2.ts	Method	TBLASTX:Soybean
Start	399	End	622
GI	none	Score	98
Exons	399..611, 401..622, 494..622		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-

Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.tc	Method	TBLASTX:Cress
Start	401	End	940
GI	none	Score	137
Exons	401..667, 401..928, 402..926, 782..940		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.np	Method	AAT/NAP
Start	404	End	2240
GI	4587589	Score	1223
Exons	404..2240		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.ts	Method	TBLASTX:Soybean
Start	626	End	1162
GI	none	Score	67
Exons	626..1162, 627..761, 707..1033, 921..1127		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	704	End	2197
GI	none	Score	210
Exons	704..1360, 804..1307, 1161..1379, 1175..1333, 1208..1366, 1232..1351, 1373..1510, 1373..1501, 1619..2023, 1620..1967, 1691..1942, 1701..1901, 1829..2104, 1830..2102, 1928..2101, 1940..2101, 2033..2197, 2033..2191, 2034..2174, 2069..2191		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o2.tc	Method	TBLASTX:Cress
Start	1016	End	2233
GI	none	Score	57
Exons	1016..1117, 1016..1120, 1121..1243, 1125..1244, 1226..1357, 1241..1363, 1253..1351, 1352..1888, 1352..1501, 1385..1459, 1634..1852, 1637..1792, 1637..2170, 1961..2101, 1973..2062, 2033..2233, 2033..2194		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.tw	Method	TBLASTX:Wheat
Start	1095	End	2233
GI	none	Score	126
Exons	1095..1319, 1100..1363, 1160..1276, 1361..1567, 1637..1963, 1698..1922, 1856..2113, 2033..2233, 2046..2195		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240

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Name          OJ000208_28.0309.C14.o3.ts     Method    TBLASTX:Soybean
Start         1175                           End       2170
GI            none                           Score     75
Exons         1175..1360, 1694..2071, 1851..2072, 2033..2170, 2034..2168

Seq. No.      39402                          Seq. ID   OJ000208_28.0309.C15
Gene No.      81337                          Strand    -
Start         1                              End       2055
Name          OJ000208_28.0309.C15.o1.np     Method    AAT/NAP
Start         1                              End       2055
GI            7485810                        Score     381
Exons         1..645, 2026..2055
GI Descrip.   hypothetical protein F19I3.26 - Arabidopsis thaliana
              gi|3033399|gb|AAC1284[illegible]                    [illegible]tein
              [Arabidopsis thaliana]

Seq. No.      39402                          Seq. ID   OJ000208_28.0309.C15
Gene No.      81337                          Strand    -
Start         1                              End       2055
Name          OJ000208_28.0309.C15.o1.gs     Method    GENSCAN
Start         6                              End
GI            none
Exons         6..734

Seq. No.      39402                          Seq. ID   OJ000208_28.0309.C15
Gene No.      81338                          Strand    -
Start         3874                           End       4788
Name          OJ000208_28.0309.C15.o1.tm     Method    TBLASTX:Maize
Start         72                             End       644
GI            none                           Score     160
Exons         72..347, 73..402, 124..348, 132..413, 132..266, 159..545,
              252..599, 253..402, 345..644, 441..569, 447..569, 450..587

Seq. No.      39402                          Seq. ID   OJ000208_28.0309.C15
Gene No.      81338                          Strand    -
Start         3874                           End       4788
Name          OJ000208_28.0309.C15.o2.gs     Method    GENSCAN
Start         3874                           End       4788
GI            none                           Score     .6
Exons         3874..3905, 4782..4788

Seq. No.      39403                          Seq. ID   OJ000208_28.0309.C16
Gene No.      81339                          Strand    +
Start         1                              End       2407
Name          OJ000208_28.0309.C16.o1.gp     Method    AAT/GAP
Start         1                              End       710
GI            none                           Score     612
Exons         1..128, 505..710

Seq. No.      39403                          Seq. ID   OJ000208_28.0309.C16
Gene No.      81339                          Strand    +
Start         1                              End       2407
Name          OJ000208_28.0309.C16.o1.gs     Method    GENSCAN
Start         85                             End       2407
GI            none                           Score     .53
Exons         85..128, 2278..2407
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Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81340	Strand	-
Start	2219	End	2638
Name	OJ000208_28.0309.C16.o1.tm	Method	TBLASTX:Maize
Start	2215	End	2410
GI	none	Score	162
Exons	2215..2403, 2217..2402, 2233..2406, 2264..2410		

Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81340	Strand	-
Start	2219	End	2638
Name	OJ000208_28.0309.C16.o1.tc	Method	TBLASTX:Cress
Start	2217	End	2410
GI	none	Score	101
Exons	2217..2390, 2264..2410, 2289..2375		

Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81340	Strand	-
Start	2219	End	2638
Name	OJ000208_28.0309.C16.o1.ts	Method	TBLASTX:Soybean
Start	2217	End	2410
GI	none	Score	110
Exons	2217..2399, 2264..2410, 2282..2350, 2292..2375, 2302..2400		

Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81340	Strand	-
Start	2219	End	2638
Name	OJ000208_28.0309.C16.o1.np	Method	AAT/NAP
Start	2219	End	2638
GI	6942045	Score	312
Exons	2219..2638		
GI Descrip.	(AF216525) FKF1-like protein 2 [Arabidopsis thaliana]		

Seq. No.	39404	Seq. ID	OJ000208_21.0330.C3
Gene No.	81341	Strand	-
Start	170	End	3048
Name	OJ000208_21.0330.C3.o1.np	Method	AAT/NAP
Start	170	End	3048
GI	4680183	Score	194
Exons	170..259, 866..936, 1399..1463, 3010..3048		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39405	Seq. ID	OJ000208_21.0330.C4
Gene No.	81342	Strand	+
Start	568	End	2551
Name	OJ000208_21.0330.C4.o1.gs	Method	GENSCAN
Start	568	End	2551
GI	none	Score	.67
Exons	568..733, 1608..1741, 2255..2551		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81343	Strand	+
Start	5387	End	13054
Name	OJ000208_21.0330.C5.o1.np	Method	AAT/NAP
Start	5387	End	10031
GI	5852181	Score	99
Exons	5387..5410, 8631..8754, 9956..10031		

GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81343	Strand	+
Start	5387	End	13054
Name	OJ000208_21.0330.C5.o3.gs	Method	GENSCAN
Start	9506	End	10291
GI	none	Score	.73
Exons	9506..9699, 10015..10291		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81343	Strand	+
Start	5387	End	13054
Name	OJ000208_21.0330.C5.o2.np	Method	AAT/NAP
Start	9554	End	13054
GI	5295951	Score	190
Exons	9554..9781, 9937..10117, 10163..10297, 13035..13054		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81344	Strand	+
Start	20370	End	23317
Name	OJ000208_21.0330.C5.o5.gs	Method	GENSCAN
Start	20370	End	23317
GI	none	Score	.45
Exons	20370..20953, 21680..21738, 23238..23317		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81345	Strand	+
Start	27279	End	36386
Name	OJ000208_21.0330.C5.o7.gs	Method	GENSCAN
Start	27279	End	36386
GI	none	Score	.48
Exons	27279..28066, 28097..29021, 29255..31374, 31570..31800, 33708..33801, 33834..34022, 34172..34219, 34252..34328, 34499..34561, 35218..35354, 36355..36386		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81345	Strand	+
Start	27279	End	36386
Name	OJ000208_21.0330.C5.o4.np	Method	AAT/NAP
Start	27343	End	32941
GI	4512618	Score	2035
Exons	27343..28002, 28090..28211, 28319..29921, 30129..31774, 32874..32941		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81346	Strand	-
Start	7143	End	8780
Name	OJ000208_21.0330.C5.o2.gs	Method	GENSCAN
Start	7143	End	8780
GI	none	Score	.94
Exons	7143..7360, 7592..7772, 7915..8067, 8676..8780		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81347	Strand	-
Start	10800	End	20162
Name	OJ000208_21.0330.C5.o4.gs	Method	GENSCAN
Start	10800	End	20162
GI	none	Score	.74
Exons	10800..11034, 12020..12309, 14048..14145, 15172..15294, 16959..17246, 17644..17691, 17786..17866, 18855..19050, 19863..20162		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81347	Strand	-
Start	10800	End	20162
Name	OJ000208_21.0330.C5.o3.np	Method	AAT/NAP
Start	14066	End	19865
GI	6522532	Score	257
Exons	14066..14141, 15168..15294, 16959..17178, 19825..19865		
GI Descrip.	(AL132955) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81347	Strand	-
Start	10800	End	20162
Name	OJ000208_21.0330.C5.o1.gp	Method	AAT/GAP
Start	14097	End	17251
GI	none	Score	879
Exons	14097..14145, 15172..15294, 16959..17251		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o4.tm	Method	TBLASTX:Maize
Start	13980	End	17211
GI	none	Score	133
Exons	13980..14129, 13988..14149, 13992..14102, 13993..14145, 15155..15295, 15156..15296, 15156..15296, 16957..16977, 16978..17172, 16979..17155, 17155..17187, 17187..17210, 17191..17211		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o6.tc	Method	TBLASTX:Cress
Start	14009	End	14149
GI	none	Score	92
Exons	14009..14149, 14010..14099		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o4.tc	Method	TBLASTX:Cress
Start	15155	End	17146
GI	none	Score	87
Exons	15155..15304, 16957..17136, 16958..17146		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-

Start	23841	End	25332
Name	OJ000208_21.0330.C5.o3.ts	Method	TBLASTX:Soybean
Start	16957	End	17145
GI	none	Score	172
Exons	16957..17145, 16958..17137		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o10.tm	Method	TBLASTX:Maize
Start	18946	End	19296
GI	none	Score	117
Exons	18946..19113, 19204..19296		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o8.tm	Method	TBLASTX:Maize
Start	19495	End	19806
GI	none	Score	119
Exons	19495..19740, 19510..19719, 19613..19729, 19759..19806, 19760..19795		

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Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o2.gp	Method	AAT/GAP
Start	23841	End	25332
GI	20774_1.R1084	Score	1698
Exons	23841..24195, 24516..24708, 24963..25332		
GI Descrip.	'1323742 6.0e-24 (U32427) unknown [Triticum aestivum]'		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o6.gs	Method	GENSCAN
Start	24295	End	25078
GI	none	Score	.4
Exons	24295..24303, 24516..24708, 24963..25078		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81349	Strand	
Start	27621	End	27923
Name	OJ000208_21.0330.C5.o9.tm	Method	TBLASTX:Maize
Start	27621	End	27923
GI	none	Score	194
Exons	27621..27923, 27621..27821, 27854..27919		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81350	Strand	
Start	28572	End	29117
Name	OJ000208_21.0330.C5.o4.tw	Method	TBLASTX:Wheat
Start	28572	End	29021
GI	none	Score	119
Exons	28572..28757, 28632..28775, 28832..28867, 28833..28874, 28905..29021, 28907..29020		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81350	Strand	
Start	28572	End	29117
Name	OJ000208_21.0330.C5.o6.tm	Method	TBLASTX:Maize
Start	28593	End	28925
GI	none	Score	213
Exons	28593..28754, 28596..28784, 28784..28807, 28815..28925, 28832..28858		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81350	Strand	
Start	28572	End	29117
Name	OJ000208_21.0330.C5.o3.tc	Method	TBLASTX:Cress
Start	28824	End	29117
GI	none	Score	182
Exons	28824..29027, 29031..29117		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81351	Strand	
Start	29207	End	29716
Name	OJ000208_21.0330.C5.o3.tm	Method	TBLASTX:Maize
Start	29207	End	29667
GI	none	Score	80
Exons	29207..29290, 29211..29291, 29294..29665, 29314..29457, 29476..29667		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81351	Strand	
Start	29207	End	29716
Name	OJ000208_21.0330.C5.o4.ts	Method	TBLASTX:Soybean
Start	29273	End	29674
GI	none	Score	256
Exons	29273..29674		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81351	Strand	
Start	29207	End	29716
Name	OJ000208_21.0330.C5.o1.tc	Method	TBLASTX:Cress
Start	29297	End	29697
GI	none	Score	336
Exons	29297..29692, 29476..29523, 29551..29697		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81351	Strand	
Start	29207	End	29716
Name	OJ000208_21.0330.C5.o2.tw	Method	TBLASTX:Wheat
Start	29342	End	29716
GI	none	Score	343
Exons	29342..29716, 29344..29685		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o2.ts	Method	TBLASTX:Soybean
Start	30257	End	30751
GI	5509260	Score	418
Exons	30257..30751, 30274..30528, 30580..30735		

GI Descrip. -

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o7.tm	Method	TBLASTX:Maize
Start	30301	End	30547
GI	none	Score	257
Exons	30301..30453, 30302..30547, 30306..30503		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o2.tc	Method	TBLASTX:Cress
Start	30359	End	30640
GI	none	Score	252
Exons	30359..30640, 30409..30507		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o1.tw	Method	TBLASTX:Wheat
Start	30422	End	31120
GI	none	Score	295
Exons	30422..30766, 30439..30762, 30752..30967, 30760..30954, 30965..31120		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	30553	End	31000
GI	none	Score	494
Exons	30553..30741, 30554..31000, 30760..30987		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o5.tc	Method	TBLASTX:Cress
Start	30812	End	31105
GI	none	Score	200
Exons	30812..31105		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o2.tm	Method	TBLASTX:Maize
Start	31052	End	31435
GI	none	Score	463
Exons	31052..31435, 31054..31116, 31165..31419, 31305..31421		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o3.tw	Method	TBLASTX:Wheat
Start	31121	End	31366
GI	none	Score	235

Exons	31121..31366		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o1.ts	Method	TBLASTX:Soybean
Start	31130	End	31726
GI	none	Score	114
Exons	31130..31264, 31165..31248, 31313..31498, 31317..31457, 31324..31488, 31531..31725, 31550..31726		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o5.tm	Method	TBLASTX:Maize
Start	31543	End	31771
GI	none	Score	286
Exons	31543..31770, 31544..31771		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o5.tw	Method	TBLASTX:Wheat
Start	31592	End	31803
GI	none	Score	186
Exons	31592..31768, 31609..31803		

Seq. No.	39407	Seq. ID	OJ000208_21.0330.C6
Gene No.	81354	Strand	+
Start	8	End	6730
Name	OJ000208_21.0330.C6.o1.gs	Method	GENSCAN
Start	8	End	6652
GI	none	Score	.66
Exons	8..58, 283..414, 942..986, 1650..1759, 4259..4429, 5838..6317, 6521..6652		

Seq. No.	39407	Seq. ID	OJ000208_21.0330.C6
Gene No.	81354	Strand	+
Start	8	End	6730
Name	OJ000208_21.0330.C6.o1.np	Method	AAT/NAP
Start	4572	End	6730
GI	4680203	Score	302
Exons	4572..4650, 5834..6730		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39407	Seq. ID	OJ000208_21.0330.C6
Gene No.	81354	Strand	+
Start	8	End	6730
Name	OJ000208_21.0330.C6.o2.np	Method	AAT/NAP
Start	6352	End	6730
GI	99922	Score	301
Exons	6352..6730		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	39407	Seq. ID	OJ000208_21.0330.C6
Gene No.	81354	Strand	+

Start	8	End	6730
Name	OJ000208_21.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	6444	End	6725
GI	none	Score	137
Exons	6444..6575, 6452..6595, 6620..6724, 6624..6725		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81355	Strand	+
Start	1	End	8342
Name	OJ000208_21.0330.C7.o1.np	Method	AAT/NAP
Start	1	End	3214
GI	4680203	Score	872
Exons	1..401, 444..543, 708..929, 1204..1956, 3134..3214		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81355	Strand	+
Start	1	End	8342
Name	OJ000208_21.0330.C7.o1.gs	Method	GENSCAN
Start	35	End	1186
GI	none	Score	.41
Exons	35..167, 223..597, 735..1186		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81355	Strand	+
Start	1	End	8342
Name	OJ000208_21.0330.C7.o2.np	Method	AAT/NAP
Start	3105	End	8342
GI	4680204	Score	228
Exons	3105..3151, 4467..5221, 8312..8342		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81355	Strand	+
Start	1	End	8342
Name	OJ000208_21.0330.C7.o3.gs	Method	GENSCAN
Start	3908	End	7490
GI	none	Score	.75
Exons	3908..4177, 4254..4402, 4676..5132, 5199..5789, 5814..6323, 6516..6658, 6734..6844, 6932..7010, 7305..7490		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81356	Strand	+
Start	8535	End	18477
Name	OJ000208_21.0330.C7.o1.gp	Method	AAT/GAP
Start	8375	End	9923
GI	18268_1.R1084	Score	1833
Exons	8375..8848, 9006..9201, 9604..9923		
GI Descrip.	'1323742 3.0e-26 (U32427) unknown [Triticum aestivum]'		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81356	Strand	+
Start	8535	End	18477
Name	OJ000208_21.0330.C7.o4.gs	Method	GENSCAN
Start	8535	End	15881
GI	none	Score	.54
Exons	8535..8848, 9006..9201, 10764..10815, 11000..11150,		

11984..12074, 12208..12361, 13221..13347, 14087..14281, 15010..15262, 15316..15502, 15784..15881

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81356	Strand	+
Start	8535	End	18477
Name	OJ000208_21.0330.C7.o3.np	Method	AAT/NAP
Start	8542	End	9113
GI	7489383	Score	150
Exons	8542..8848, 9006..9113		
GI Descrip.	jacalin homolog - barley gi|1167955|gb|AAA87042.1| (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428|gb|AAB72097.1| (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81356	Strand	+
Start	8535	End	18477
Name	OJ000208_21.0330.C7.o4.np	Method	AAT/NAP
Start	11966	End	18477
GI	6815109	Score	1058
Exons	11966..12133, 14120..14281, 17341..18477		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	797	End	1180
GI	none	Score	59
Exons	797..865, 865..1176, 866..1180, 866..1177		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o1.tw	Method	TBLASTX:Wheat
Start	821	End	2028
GI	none	Score	303
Exons	821..1177, 946..1005, 1066..1158, 1134..1349, 1177..1575, 1396..1533, 1555..1743, 1581..1727, 1732..1836, 1735..1818, 1849..1947, 1912..1947, 1960..2028, 1968..2027		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	1112	End	1536
GI	none	Score	67
Exons	1112..1177, 1134..1349, 1177..1536, 1396..1533		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o2.gs	Method	GENSCAN
Start	1387	End	3142
GI	none	Score	.71
Exons	1387..1465, 1485..1549, 1744..1948, 3081..3142		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o2.tm	Method	TBLASTX:Maize
Start	1429	End	1724
GI	none	Score	151
Exons	1429..1599, 1603..1719, 1623..1724		

Seq. No.	39409	Seq. ID	OJ000208_21.0330.C9
Gene No.	81358	Strand	+
Start	1	End	2335
Name	OJ000208_21.0330.C9.o1.np	Method	AAT/NAP
Start	1	End	635
GI	4680203	Score	377
Exons	1..635		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39409	Seq. ID	OJ000208_21.0330.C9
Gene No.	81358	Strand	+
Start	1	End	2335
Name	OJ000208_21.0330.C9.o1.gs	Method	GENSCAN
Start	188	End	2335
GI	none	Score	.57
Exons	188..548, 699..886, 1141..1425, 1507..2047, 2266..2335		

Seq. No.	39409	Seq. ID	OJ000208_21.0330.C9
Gene No.	81358	Strand	+
Start	1	End	2335
Name	OJ000208_21.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	265	End	583
GI	none	Score	308
Exons	265..288, 290..568, 292..558, 323..583, 345..569		

Seq. No.	39409	Seq. ID	OJ000208_21.0330.C9
Gene No.	81358	Strand	+
Start	1	End	2335
Name	OJ000208_21.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	272	End	535
GI	none	Score	245
Exons	272..535, 313..507		

Seq. No.	39410	Seq. ID	OJ000208_21.0330.C10
Gene No.	81359	Strand	+
Start	482	End	794
Name	OJ000208_21.0330.C10.o1.gp	Method	AAT/GAP
Start	482	End	794
GI	77434_1.R1084	Score	88
Exons	482..502, 740..794		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	39411	Seq. ID	OJ000208_21.0330.C11
Gene No.	81360	Strand	
Start	15	End	312
Name	OJ000208_21.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	15	End	312

GI	none	Score	119
Exons	15..305, 16..312		

Seq. No.	39411	Seq. ID	OJ000208_21.0330.C11
Gene No.	81361	Strand	
Start	314	End	736
Name	OJ000208_21.0330.C11.o2.tw	Method	TBLASTX:Wheat
Start	314	End	535
GI	none	Score	72
Exons	314..535, 342..533		

Seq. No.	39411	Seq. ID	OJ000208_21.0330.C11
Gene No.	81361	Strand	
Start	314	End	736
Name	OJ000208_21.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	362	End	736
GI	none	Score	111
Exons	362..700, 366..680, 697..735, 704..736		

Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81362	Strand	+
Start	1875	End	1977
Name	OJ000208_21.0330.C13.o2.np	Method	AAT/NAP
Start	1875	End	1977
GI	7340860	Score	98
Exons	1875..1977		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81363	Strand	-
Start	1	End	375
Name	OJ000208_21.0330.C13.o1.np	Method	AAT/NAP
Start	1	End	375
GI	2213608	Score	80
Exons	1..375		
GI Descrip.	(AC000103) F21J9.2 [Arabidopsis thaliana]		

Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81364	Strand	-
Start	927	End	2087
Name	OJ000208_21.0330.C13.o1.tw	Method	TBLASTX:Wheat
Start	3	End	347
GI	none	Score	289
Exons	3..347		

Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81364	Strand	-
Start	927	End	2087
Name	OJ000208_21.0330.C13.o1.tm	Method	TBLASTX:Maize
Start	15	End	458
GI	none	Score	192
Exons	15..458		

Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81364	Strand	-
Start	927	End	2087

Name	OJ000208_21.0330.C13.ol.gs	Method	GENSCAN
Start	927	End	2087
GI	none	Score	.43
Exons	927..988, 1134..1322, 1949..2087		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.ol.np	Method	AAT/NAP
Start	1	End	805
GI	6522592	Score	501
Exons	1..805		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.ol.tc	Method	TBLASTX:Cress
Start	2	End	805
GI	none	Score	65
Exons	2..211, 2..211, 2..226, 2..235, 3..188, 8..157, 9..155, 29..211, 83..220, 224..307, 239..319, 248..316, 305..505, 311..529, 338..541, 338..541, 338..448, 411..506, 413..505, 545..805, 545..739, 548..799, 557..796, 630..800, 692..805, 701..796		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.ol.ts	Method	TBLASTX:Soybean
Start	2	End	805
GI	none	Score	54
Exons	2..151, 2..88, 12..128, 29..301, 47..220, 299..541, 305..460, 308..493, 311..538, 335..541, 348..788, 353..805, 557..805		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.ol.tm	Method	TBLASTX:Maize
Start	2	End	640
GI	none	Score	59
Exons	2..211, 29..304, 47..220, 75..185, 311..532, 332..532, 338..640		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.ol.tw	Method	TBLASTX:Wheat
Start	2	End	391
GI	none	Score	227
Exons	2..391		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.ol.gs	Method	GENSCAN
Start	127	End	757
GI	none	Score	.64

Exons	127..757		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81366	Strand	+
Start	1	End	5656
Name	OJ000208_21.0330.C15.o2.np	Method	AAT/NAP
Start	1	End	3828
GI	5852181	Score	107
Exons	1..31, 2384..2634, 3748..3828		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81366	Strand	+
Start	1	End	5656
Name	OJ000208_21.0330.C15.o1.gs	Method	GENSCAN
Start	137	End	1458
GI	none	Score	.69
Exons	137..232, 416..441, 1323..1458		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81366	Strand	+
Start	1	End	5656
Name	OJ000208_21.0330.C15.o3.np	Method	AAT/NAP
Start	615	End	5656
GI	6691191	Score	633
Exons	615..653, 4183..4918, 5638..5656		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81366	Strand	+
Start	1	End	5656
Name	OJ000208_21.0330.C15.o2.gs	Method	GENSCAN
Start	3284	End	5637
GI	none	Score	.83
Exons	3284..3694, 3744..4020, 4284..4586, 5522..5637		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81367	Strand	-
Start	1	End	460
Name	OJ000208_21.0330.C15.o1.np	Method	AAT/NAP
Start	1	End	460
GI	7434424	Score	199
Exons	1..460		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) A1, receptor type - long-staminate rice gi|2586083|gb|AAB82755.1| (U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-
Start	5029	End	5656
Name	OJ000208_21.0330.C15.o1.tc	Method	TBLASTX:Cress
Start	2	End	271
GI	none	Score	103
Exons	2..196, 5..271, 18..260		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-

Start	5029	End	5656
Name	OJ000208_21.0330.C15.o2.ts	Method	TBLASTX:Soybean
Start	17	End	358
GI	none	Score	60
Exons	17..229, 53..223, 102..230, 245..358		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-
Start	5029	End	5656
Name	OJ000208_21.0330.C15.o1.ts	Method	TBLASTX:Soybean
Start	4400	End	4824
GI	none	Score	212
Exons	4400..4624, 4426..4578, 4615..4824, 4645..4809		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-
Start	5029	End	5656
Name	OJ000208_21.0330.C15.o1.tw	Method	TBLASTX:Wheat
Start	4400	End	4803
GI	none	Score	164
Exons	4400..4624, 4417..4578, 4618..4803, 4620..4700		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-
Start	5029	End	5656
Name	OJ000208_21.0330.C15.o4.np	Method	AAT/NAP
Start	5029	End	5656
GI	4539658	Score	165
Exons	5029..5207, 5249..5312, 5371..5656		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81369	Strand	+
Start	1	End	4945
Name	OJ000208_21.0330.C16.o2.np	Method	AAT/NAP
Start	1	End	4945
GI	6063554	Score	320
Exons	1..23, 3233..3438, 4106..4136, 4772..4945		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81369	Strand	+
Start	1	End	4945
Name	OJ000208_21.0330.C16.o1.gs	Method	GENSCAN
Start	939	End	2054
GI	none	Score	.77
Exons	939..2054		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81369	Strand	+
Start	1	End	4945
Name	OJ000208_21.0330.C16.o1.np	Method	AAT/NAP
Start	939	End	1982
GI	6983860	Score	1004

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Exons         939..1982
GI Descrip.   (AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type
              (AF061282) [Oryza sativa]

Seq. No.      39415                      Seq. ID  OJ000208_21.0330.C16
Gene No.      81370                      Strand   +
Start         5434                       End      7742
Name          OJ000208_21.0330.C16.o3.gs Method   GENSCAN
Start         5434                       End      7166
GI            none                       Score    .63
Exons         5434..5455, 5740..5922, 5928..6074, 6087..6224, 6319..6400,
              6610..6832, 6858..7166

Seq. No.      39415                      Seq. ID  OJ000208_21.0330.C16
Gene No.      81370                      Strand   +
Start         5434                       End      7742
Name          OJ000208_21.0330.C16.o3.np Method   AAT/NAP
Start         5586                       End      7742
GI            6691191                    Score    1855
Exons         5586..7742
GI Descrip.   (AC007534) F7F22.15 [Arabidopsis thaliana]

Seq. No.      39415                      Seq. ID  OJ000208_21.0330.C16
Gene No.      81371                      Strand   -
Start         101                        End      378
Name          OJ000208_21.0330.C16.o1.gp Method   AAT/GAP
Start         101                        End      378
GI            61605_1.R1084              Score    475
Exons         101..378
GI Descrip.   '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa
              indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.      39415                      Seq. ID  OJ000208_21.0330.C16
Gene No.      81372                      Strand   -
Start         1033                       End      1520
Name          OJ000208_21.0330.C16.o2.gp Method   AAT/GAP
Start         1033                       End      1520
GI            uC-osflcyp162a07a1         Score    675
Exons         1033..1264, 1364..1520
GI Descrip.   '4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein
              [Oryza sativa subsp. indica]'

Seq. No.      39415                      Seq. ID  OJ000208_21.0330.C16
Gene No.      81373                      Strand   -
Start         3030                       End      3581
Name          OJ000208_21.0330.C16.o5.tw Method   TBLASTX:Wheat
Start         1101                       End      1457
GI            none                       Score    289
Exons         1101..1457, 1109..1279, 1316..1456

Seq. No.      39415                      Seq. ID  OJ000208_21.0330.C16
Gene No.      81373                      Strand   -
Start         3030                       End      3581
Name          OJ000208_21.0330.C16.o2.tm Method   TBLASTX:Maize
Start         1338                       End      1628
GI            none                       Score    213
Exons         1338..1601, 1364..1525, 1566..1628
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Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81373	Strand	-
Start	3030	End	3581
Name	OJ000208_21.0330.C16.o2.gs	Method	GENSCAN
Start	3030	End	3581
GI	none	Score	.53
Exons	3030..3581		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81374	Strand	
Start	5555	End	6214
Name	OJ000208_21.0330.C16.o1.tw	Method	TBLASTX:Wheat
Start	5555	End	5923
GI	none	Score	410
Exons	5555..5923, 5601..5921		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81374	Strand	
Start	5555	End	6214
Name	OJ000208_21.0330.C16.o1.tm	Method	TBLASTX:Maize
Start	5703	End	6091
GI	none	Score	175
Exons	5703..5921, 5771..5917, 5921..6091, 5980..6090		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81374	Strand	
Start	5555	End	6214
Name	OJ000208_21.0330.C16.o2.ts	Method	TBLASTX:Soybean
Start	5805	End	6159
GI	none	Score	71
Exons	5805..5870, 5871..5921, 5921..6157, 5930..6091, 5944..6159		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81374	Strand	
Start	5555	End	6214
Name	OJ000208_21.0330.C16.o3.tw	Method	TBLASTX:Wheat
Start	5924	End	6214
GI	none	Score	350
Exons	5924..6214, 5938..6213		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81375	Strand	
Start	6252	End	6818
Name	OJ000208_21.0330.C16.o4.tw	Method	TBLASTX:Wheat
Start	6252	End	6721
GI	none	Score	186
Exons	6252..6452, 6254..6436, 6444..6515, 6530..6721		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81375	Strand	
Start	6252	End	6818
Name	OJ000208_21.0330.C16.o4.ts	Method	TBLASTX:Soybean
Start	6258	End	6392
GI	none	Score	195
Exons	6258..6392, 6258..6374, 6272..6379		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81375	Strand	
Start	6252	End	6818
Name	OJ000208_21.0330.C16.o1.tc	Method	TBLASTX:Cress
Start	6435	End	6818
GI	none	Score	52
Exons	6435..6512, 6551..6727, 6667..6723, 6717..6818, 6729..6818		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81376	Strand	
Start	6839	End	7163
Name	OJ000208_21.0330.C16.o3.ts	Method	TBLASTX:Soybean
Start	6839	End	7163
GI	none	Score	66
Exons	6839..6880, 6840..6881, 6878..7162, 6879..7163		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81376	Strand	
Start	6839	End	7163
Name	OJ000208_21.0330.C16.o6.tw	Method	TBLASTX:Wheat
Start	6840	End	7151
GI	none	Score	261
Exons	6840..7145, 6845..7075, 6873..7151		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81377	Strand	
Start	7166	End	7622
Name	OJ000208_21.0330.C16.o1.ts	Method	TBLASTX:Soybean
Start	7166	End	7622
GI	none	Score	342
Exons	7166..7546, 7167..7547, 7563..7622		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81377	Strand	
Start	7166	End	7622
Name	OJ000208_21.0330.C16.o2.tw	Method	TBLASTX:Wheat
Start	7175	End	7556
GI	none	Score	354
Exons	7175..7198, 7176..7556, 7250..7555		

Seq. No.	39416	Seq. ID	OJ000208_21.0330.C19
Gene No.	81378	Strand	-
Start	1	End	722
Name	OJ000208_21.0330.C19.o1.np	Method	AAT/NAP
Start	1	End	722
GI	6522540	Score	391
Exons	1..722		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	39416	Seq. ID	OJ000208_21.0330.C19
Gene No.	81378	Strand	-
Start	1	End	722
Name	OJ000208_21.0330.C19.o1.gs	Method	GENSCAN
Start	72	End	530
GI	none	Score	.4
Exons	72..530		

Seq. No.	39417	Seq. ID	OJ000208_22.0323.C1
Gene No.	81379	Strand	-
Start	23	End	970
Name	OJ000208_22.0323.C1.o1.gs	Method	GENSCAN
Start	23	End	967
GI	none	Score	.93
Exons	23..224, 352..791, 869..967		

Seq. No.	39417	Seq. ID	OJ000208_22.0323.C1
Gene No.	81379	Strand	-
Start	23	End	970
Name	OJ000208_22.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	620	End	970
GI	none	Score	92
Exons	620..700, 627..722, 638..721, 646..729, 723..806, 723..794, 863..970, 863..970		

Seq. No.	39418	Seq. ID	OJ000208_22.0323.C4
Gene No.	81380	Strand	+
Start	986	End	3279
Name	OJ000208_22.0323.C4.o1.gs	Method	GENSCAN
Start	986	End	3156
GI	none	Score	.8
Exons	986..1561, 1700..1866, 2210..2253, 2493..2544, 2760..2832, 2956..3156		

Seq. No.	39418	Seq. ID	OJ000208_22.0323.C4
Gene No.	81380	Strand	+
Start	986	End	3279
Name	OJ000208_22.0323.C4.o1.np	Method	AAT/NAP
Start	1781	End	3279
GI	6942190	Score	218
Exons	1781..1904, 2046..2122, 2210..2253, 2494..2544, 2760..2832, 2956..3279		
GI Descrip.	(AF219972) CDPK substrate protein 1; CSP1 [Mesembryanthemum crystallinum]		

Seq. No.	39418	Seq. ID	OJ000208_22.0323.C4
Gene No.	81381	Strand	-
Start	4450	End	5300
Name	OJ000208_22.0323.C4.o2.gs	Method	GENSCAN
Start	4450	End	5300
GI	none	Score	.66
Exons	4450..4533, 4602..4818, 4925..5257, 5281..5300		

Seq. No.	39418	Seq. ID	OJ000208_22.0323.C4
Gene No.	81381	Strand	-
Start	4450	End	5300
Name	OJ000208_22.0323.C4.o1.gp	Method	AAT/GAP
Start	4695	End	4999
GI	none	Score	328
Exons	4695..4818, 4925..4999		

Seq. No.	39418	Seq. ID	OJ000208_22.0323.C4
Gene No.	81382	Strand	-
Start	5642	End	7473
Name	OJ000208_22.0323.C4.o1.tm	Method	TBLASTX:Maize

Start	876	End	1298
GI	none	Score	56
Exons	876..956, 876..947, 955..1149, 958..1182, 1137..1178, 1194..1292, 1200..1298		

Seq. No.	39418	Seq. ID	OJ000208_22.0323.C4
Gene No.	81382	Strand	-
Start	5642	End	7473
Name	OJ000208_22.0323.C4.o3.gs	Method	GENSCAN
Start	5642	End	7473
GI	none	Score	.52
Exons	5642..5767, 5859..6078, 6203..6291, 6436..6635, 7188..7269, 7399..7473		

Seq. No.	39418	Seq. ID	OJ000208_22.0323.C4
Gene No.	81382	Strand	-
Start	5642	End	7473
Name	OJ000208_22.0323.C4.o2.gp	Method	AAT/GAP
Start	5700	End	6090
GI	568192	Score	526
Exons	5700..5767, 5859..6090		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81383	Strand	+
Start	202	End	3850
Name	OJ000208_22.0323.C5.o1.gs	Method	GENSCAN
Start	202	End	3850
GI	none	Score	.7
Exons	202..246, 1021..1143, 1591..1698, 3491..3635, 3739..3850		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81384	Strand	+
Start	5075	End	9356
Name	OJ000208_22.0323.C5.o1.gp	Method	AAT/GAP
Start	5003	End	5347
GI	286517	Score	411
Exons	5003..5134, 5251..5347		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81384	Strand	+
Start	5075	End	9356
Name	OJ000208_22.0323.C5.o1.np	Method	AAT/NAP
Start	5075	End	8927
GI	1209703	Score	1591
Exons	5075..5134, 5251..5477, 5761..6213, 6463..6847, 7009..7116, 7701..7901, 8008..8106, 8499..8681, 8763..8927		
GI Descrip.	(U40489) maize gl1 homolog [Arabidopsis thaliana]		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81384	Strand	+
Start	5075	End	9356
Name	OJ000208_22.0323.C5.o2.gs	Method	GENSCAN
Start	5075	End	9356
GI	none	Score	.86
Exons	5075..5134, 5251..5477, 5761..6213, 6463..6847, 7009..7116, 7701..7901, 8008..8106, 8343..8681, 9225..9356		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81385	Strand	+
Start	10430	End	18962
Name	OJ000208_22.0323.C5.o3.gs	Method	GENSCAN
Start	10430	End	18962
GI	none	Score	.8
Exons	10430..10687, 11222..11357, 11731..11860, 12297..12466, 12542..12618, 13147..13360, 13467..13641, 13830..13929, 14028..14126, 14474..14557, 14863..15031, 15304..15408, 16723..16800, 17624..18019, 18099..18222, 18311..18962		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81385	Strand	+
Start	10430	End	18962
Name	OJ000208_22.0323.C5.o2.np	Method	AAT/NAP
Start	10451	End	15039
GI	4204287	Score	1762
Exons	10451..10687, 11222..11357, 11716..11860, 12297..12466, 12542..12618, 13147..13353, 13550..13675, 13804..13929, 14028..14122, 14506..14557, 14629..14712, 14848..15039		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81385	Strand	+
Start	10430	End	18962
Name	OJ000208_22.0323.C5.o4.gp	Method	AAT/GAP
Start	17875	End	18507
GI	none	Score	771
Exons	17875..18019, 18125..18222, 18311..18507		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81385	Strand	+
Start	10430	End	18962
Name	OJ000208_22.0323.C5.o3.np	Method	AAT/NAP
Start	18116	End	18956
GI	6642656	Score	715
Exons	18116..18222, 18311..18956		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81386	Strand	+
Start	20716	End	21253
Name	OJ000208_22.0323.C5.o4.gs	Method	GENSCAN
Start	20716	End	21253
GI	none	Score	.77
Exons	20716..20727, 20894..21253		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81387	Strand	+
Start	25872	End	32176
Name	OJ000208_22.0323.C5.o6.gs	Method	GENSCAN
Start	25872	End	30341
GI	none	Score	.76
Exons	25872..25921, 26098..26232, 26529..26709, 27612..27734, 28661..28956, 29066..29141, 29231..29342, 29721..29770, 29856..30060, 30210..30341		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81387	Strand	+
Start	25872	End	32176
Name	OJ000208_22.0323.C5.o4.np	Method	AAT/NAP
Start	26413	End	32176
GI	7486097	Score	941
Exons	26413..26444, 26529..26626, 28473..28582, 28661..28952, 29065..29141, 29231..29342, 29721..29770, 29856..30128, 30228..30354, 32158..32176		
GI Descrip.	hypothetical protein F24L7.16 - Arabidopsis thaliana gi|2914703|gb|AAC04493.1| (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81388	Strand	-
Start	8797	End	9214
Name	OJ000208_22.0323.C5.o2.gp	Method	AAT/GAP
Start	8797	End	9214
GI	none	Score	712
Exons	8797..9214		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81389	Strand	-
Start	16846	End	16936
Name	OJ000208_22.0323.C5.o3.gp	Method	AAT/GAP
Start	16846	End	16936
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	16846..16936		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o2.tc	Method	TBLASTX:Cress
Start	5072	End	8927
GI	none	Score	84
Exons	5072..5140, 5226..5303, 5239..5301, 5317..5478, [illegible]..5399, 5377..5481, 5761..5853, 5762..5863, 5867..6217, 58[illegible]..6048, 6109..6216, 6452..6628, 6469..6537, 6605..[illegible], 6610..6693, 6776..6838, 7005..7115, 7006..7116, 7674..7904, 770[illegible]..7885, 8005..8124, 8505..8681, 8507..8680, 8760..8849, [illegible]2..884[illegible], 8856..8927		

Seq. No.	39419	[illegible]	[illegible]3.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	5074	End	8909
GI	none	Score	99
Exons	5074..5124, 5075..5140, 5238..5360, 5257..5478, 5377..5481, 5761..6051, 5762..6055, 6101..6217, 6109..6213, 6448..6528, 6449..6634, 6595..6693, 6608..6709, 6776..6838, 7006..7116, 7038..7127, 7674..7904, 7698..7901, 8523..8681, 8543..8680, 8760..8909, 8762..8908		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o2.ts	Method	TBLASTX:Soybean
Start	5347	End	6586
GI	none	Score	150
Exons	5347..5478, 5377..5481, 5761..6051, 5762..6055, 6101..6217, 6109..6213, 6448..6528, 6449..6586		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o1.tw	Method	TBLASTX:Wheat
Start	8760	End	8917
GI	none	Score	201
Exons	8760..8909, 8762..8917		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o4.ts	Method	TBLASTX:Soybean
Start	10552	End	11293
GI	none	Score	224
Exons	10552..10689, 10553..10690, 11212..11289, 11219..11293, 11228..11287, 11229..11288		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o5.tm	Method	TBLASTX:Maize
Start	11222	End	11873
GI	none	Score	242
Exons	11222..11359, 11228..11359, 11238..11363, 11710..11871, 11711..11872, 11712..11873		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o6.tm	Method	TBLASTX:Maize
Start	13514	End	14913
GI	none	Score	164
Exons	13514..13642, 13527..13643, 13529..13642, 13810..13857, 13831..13869, 13851..13931, 13858..13932, 13861..13935, 13863..13937, 14027..14122, 14028..14123, 14028..14105, 14495..14560, 14500..14559, 14628..14705, 14629..14700, 14832..14906, 14833..14913, 14860..14913		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	18110	End	18686
GI	none	Score	125
Exons	18110..18223, 18311..18490, 18312..18686, 18536..18634		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5

Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	18122	End	18947
GI	none	Score	131
Exons	18122..18223, 18172..18219, 18311..18658, 18312..18764, 18791..18937, 18792..18947		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	18434	End	18956
GI	none	Score	214
Exons	18434..18562, 18435..18563, 18554..18697, 18555..18692, 18602..18706, 18774..18956, 18797..18937		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o5.gs	Method	GENSCAN
Start	22691	End	22929
GI	none	Score	.48
Exons	22691..22710, 22812..22929		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81391	Strand	
Start	26400	End	30161
Name	OJ000208_22.0323.C5.o3.tm	Method	TBLASTX:Maize
Start	26400	End	28899
GI	none	Score	61
Exons	26400..26444, 26410..26445, 26526..26630, 26530..26625, 28454..28582, 28465..28584, 28471..28581, 28472..28582, 28473..28586, 28659..28688, 28661..28897, 28727..28897, 28747..28899		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81391	Strand	
Start	26400	End	30161
Name	OJ000208_22.0323.C5.o4.tc	Method	TBLASTX:Cress
Start	28454	End	28582
GI	none	Score	206
Exons	28454..28582, 28471..28569		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81391	Strand	
Start	26400	End	30161
Name	OJ000208_22.0323.C5.o3.ts	Method	TBLASTX:Soybean
Start	28529	End	30143
GI	none	Score	80
Exons	28529..28582, 28730..28957, 28745..28876, 28747..28962, 29067..29114, 29213..29290, 29289..29342, 29719..29763, 29726..29767, 29847..29912, 29985..30143, 30002..30127		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81391	Strand	
Start	26400	End	30161

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Name       OJ000208_22.0323.C5.o3.tc      Method   TBLASTX:Cress
Start      28730                          End      29767
GI         none                           Score    213
Exons      28730..28951, 28747..28950, 29088..29135, 29088..29135,
           29231..29344, 29236..29346, 29237..29359, 29719..29766,
           29732..29767

Seq. No.   39419                          Seq. ID  OJ000208_22.0323.C5
Gene No.   81391                          Strand
Start      26400                          End      30161
Name       OJ000208_22.0323.C5.o4.tm      Method   TBLASTX:Maize
Start      29722                          End      30161
GI         none                           Score    78
Exons      29722..29775, 29729..29770, 29850..29915, 29855..29914,
           29956..30153, 29957..30157, 29968..30159, 29981..30157,
           29982..30161, 29985..30161

Seq. No.   39420                          Seq. ID  OJ000208_22.0323.C6
Gene No.   81392                          Strand   +
Start      1                              End      3758
Name       OJ000208_22.0323.C6.o1.np      Method   AAT/NAP
Start      1                              End      3036
GI         7486097                        Score    1166
Exons      1..47, 428..656, 756..867, 932..1071, 1148..1297, 1581..1736,
           1851..1967, 2266..2466, 2896..3036
GI Descrip. hypothetical protein F24L7.16 - Arabidopsis thaliana
           gi|2914703|gb|AAC04493.1| (AC003974) unknown protein
           [Arabidopsis thaliana]

Seq. No.   39420                          Seq. ID  OJ000208_22.0323.C6
Gene No.   81392                          Strand   +
Start      1                              End      3758
Name       OJ000208_22.0323.C6.o1.gs      Method   GENSCAN
Start      320                            End      3758
GI         none                           Score    .67
Exons      320..337, 435..653, 759..900, 962..1071, 1148..1297, 1581..1736,
           1851..1967, 2269..2466, 2896..3035, 3575..3758

Seq. No.   39420                          Seq. ID  OJ000208_22.0323.C6
Gene No.   81392                          Strand   +
Start      1                              End      3758
Name       OJ000208_22.0323.C6.o1.tm      Method   TBLASTX:Maize
Start      452                            End      3414
GI         none                           Score    76
Exons      452..505, 453..506, 523..654, 554..670, 555..653, 733..900,
           743..928, 759..908, 960..1070, 961..1071, 1146..1292,
           1147..1287, 1148..1306, 1580..1735, 1581..1736, 1585..1746,
           1848..1967, 1850..1966, 2251..2466, 2264..2464, 2265..2465,
           2893..3042, 2893..3024, 2895..3050, 3289..3414

Seq. No.   39420                          Seq. ID  OJ000208_22.0323.C6
Gene No.   81392                          Strand   +
Start      1                              End      3758
Name       OJ000208_22.0323.C6.o1.ts      Method   TBLASTX:Soybean
Start      551                            End      1273
GI         none                           Score    96
Exons      551..628, 552..674, 758..817, 759..908, 772..894, 942..1073,
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960..1073, 961..1080, 1146..1268, 1154..1273, 1156..1269

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	627	End	1706
GI	none	Score	37
Exons	627..656, 755..817, 756..821, 964..1080, 1034..1075, 1154..1306, 1159..1278, 1547..1699, 1581..1706		

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	1568	End	2958
GI	none	Score	192
Exons	1568..1720, 1581..1736, 1841..1963, 1842..1967, 2218..2355, 2226..2369, 2266..2370, 2362..2466, 2367..2465, 2893..2958		

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o2.tc	Method	TBLASTX:Cress
Start	1878	End	3042
GI	none	Score	69
Exons	1878..1967, 2266..2370, 2362..2466, 2367..2465, 2893..3042		

Seq. No.	39421	Seq. ID	OJ000208_22.0323.C7
Gene No.	81393	Strand	-
Start	723	End	998
Name	OJ000208_22.0323.C7.o1.gs	Method	GENSCAN
Start	723	End	998
GI	none	Score	.93
Exons	723..998		

Seq. No.	39422	Seq. ID	OJ000208_22.0323.C9
Gene No.	81394	Strand	+
Start	93	End	543
Name	OJ000208_22.0323.C9.o2.gp	Method	AAT/GAP
Start	93	End	543
GI	LIB3432-059-P1-K1-D8	Score	730
Exons	93..543		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39422	Seq. ID	OJ000208_22.0323.C9
Gene No.	81395	Strand	-
Start	1	End	91
Name	OJ000208_22.0323.C9.o1.gp	Method	AAT/GAP
Start	1	End	91
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	1..91		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81396	Strand	-
Start	1152	End	2543
Name	OJ000208_22.0323.C10.o1.gs	Method	GENSCAN
Start	1152	End	2543
GI	none	Score	.79
Exons	1152..2543		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81396	Strand	-
Start	1152	End	2543
Name	OJ000208_22.0323.C10.o1.np	Method	AAT/NAP
Start	1155	End	2543
GI	4580394	Score	1245
Exons	1155..2543		
GI Descrip.	(AC007171) putative fatty acid elongase [Arabidopsis thaliana]		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	1191	End	1682
GI	none	Score	104
Exons	1191..1400, 1191..1565, 1192..1551, 1641..1682		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	1245	End	2063
GI	none	Score	144
Exons	1245..1277, 1305..1562, 1318..1560, 1641..1745, 1786..2058, 1806..2063		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	1419	End	2174
GI	none	Score	85
Exons	1419..1562, 1423..1560, 1641..1739, 1750..2058, 1806..2174		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o2.tm	Method	TBLASTX:Maize
Start	1701	End	2174
GI	none	Score	149
Exons	1701..1745, 1732..2058, 1806..2174, 2001..2060		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o2.tc	Method	TBLASTX:Cress
Start	2067	End	2435
GI	none	Score	99
Exons	2067..2174, 2244..2435, 2248..2430		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o2.ts	Method	TBLASTX:Soybean
Start	2244	End	2438
GI	none	Score	143
Exons	2244..2438, 2248..2430		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o3.tm	Method	TBLASTX:Maize
Start	2244	End	2451
GI	none	Score	170
Exons	2244..2438, 2248..2427, 2392..2451		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o2.gs	Method	GENSCAN
Start	4290	End	5038
GI	none	Score	.63
Exons	4290..4361, 4925..5038		

Seq. No.	39424	Seq. ID	OJ000208_22.0323.C11
Gene No.	81398	Strand	+
Start	250	End	648
Name	OJ000208_22.0323.C11.o1.gs	Method	GENSCAN
Start	250	End	648
GI	none	Score	.5
Exons	250..648		

Seq. No.	39424	Seq. ID	OJ000208_22.0323.C11
Gene No.	81399	Strand	-
Start	200	End	460
Name	OJ000208_22.0323.C11.o2.gp	Method	AAT/GAP
Start	200	End	460
GI	20886_2.R1084	Score	369
Exons	200..460		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-24 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39424	Seq. ID	OJ000208_22.0323.C11
Gene No.	81400	Strand	-
Start	440	End	873
Name	OJ000208_22.0323.C11.o1.np	Method	AAT/NAP
Start	440	End	873
GI	6907106	Score	216
Exons	440..643, 853..873		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81401	Strand	+
Start	1083	End	4367
Name	OJ000208_22.0323.C12.o1.gs	Method	GENSCAN

Start	1083	End	4367
GI	none	Score	.52
Exons	1083..1214, 4251..4367		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81402	Strand	+
Start	4344	End	4402
Name	OJ000208_22.0323.C12.o1.gp	Method	AAT/GAP
Start	4344	End	4402
GI	2312838	Score	65
Exons	4344..4402		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o2.gs	Method	GENSCAN
Start	4627	End	8012
GI	none	Score	.86
Exons	4627..4899, 5534..5593, 5672..5725, 5822..5921, 6135..6248, 6818..6882, 6984..7091, 7314..7387, 7721..7834, 7949..8012		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o2.gp	Method	AAT/GAP
Start	5240	End	7985
GI	188_1.R1084	Score	1889
Exons	5240..5593, 5672..5725, 5822..5921, 6135..6248, 6818..6882, 6984..7091, 7314..7387, 7721..7802, 7896..7985		
GI Descrip.	'4106694/dbj|BAA36283.1| 0.0e+00 (D85751) glutathione reductase [Oryza sativa] >gi_4153883_dbj_BAA37092.1_ (AB009592) cytosolic glutathione reductase [Oryza sativa]'		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	5463	End	7986
GI	none	Score	97
Exons	5463..5606, 5498..5593, 5660..5731, 5661..5729, 5786..5917, 5820..5933, 5826..5933, 6137..6247, 6138..6248, 6146..6250, 6818..6883, 6818..6892, 6915..7091, 6988..7092, 7285..7398, 7308..7388, 7717..7803, 7719..7811, 7881..7985, 7903..7986		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	5491	End	7989
GI	none	Score	131
Exons	5491..5574, 5492..5593, 5493..5594, 5660..5731, 5670..5726, 5786..5917, 5805..5924, 5820..5957, 6133..6243, 6134..6265, 6134..6250, 6812..6895, 6818..6880, 6819..6881, 6820..6882, 6984..7091, 6988..7092, 7308..7388, 7309..7398, 7309..7398, 7719..7811, 7720..7803, 7722..7805, 7822..7989, 7886..7984,		

7890..7985, 7891..7986

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	5498	End	6235
GI	none	Score	79
Exons	5498..5524, 5510..5593, 5532..5606, 5660..5731, 5661..5729, 5674..5730, 5786..5917, 5811..5933, 6137..6235		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o1.np	Method	AAT/NAP
Start	5501	End	8005
GI	4106694	Score	1043
Exons	5501..5593, 5672..5725, 5822..5921, 6135..6248, 6818..6882, 6984..7091, 7314..7387, 7721..7802, 7896..8005		
GI Descrip.	(D85751) glutathione reductase [Oryza sativa] gi|4153883|dbj|BAA37092.1| (AB009592) cytosolic glutathione reductase [Oryza sativa]		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	5525	End	6241
GI	none	Score	87
Exons	5525..5593, 5526..5594, 5660..5731, 5670..5729, 5671..5730, 5822..5914, 5822..5914, 5826..5924, 6127..6216, 6134..6241, 6136..6231		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	6817	End	7986
GI	none	Score	54
Exons	6817..6882, 6824..6880, 6984..7091, 6988..7092, 7285..7398, 7308..7388, 7702..7803, 7719..7814, 7719..7811, 7893..7985, 7903..7986		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	7050	End	7989
GI	none	Score	62
Exons	7050..7115, 7050..7091, 7308..7388, 7309..7389, 7719..7805, 7719..7811, 7886..7981, 7890..7982, 7890..7985, 7891..7989		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	2668

GI	4106694	Score	1021
Exons	1..33, 255..338, 437..510, 1432..1635, 1733..1804, 2138..2207, 2361..2425, 2528..2668		
GI Descrip:	(D85751) glutathione reductase [Oryza sativa] gi|4153883|dbj|BAA37092.1| (AB009592) cytosolic glutathione reductase [Oryza sativa]		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	216	End	513
GI	none	Score	114
Exons	216..338, 250..339, 254..343, 254..337, 430..513, 434..511		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	216	End	2671
GI	none	Score	118
Exons	216..338, 250..339, 254..337, 257..343, 423..503, 430..513, 434..511, 1427..1636, 1430..1630, 1431..1631, 1431..1637, 1432..1638, 1432..1638, 1725..1811, 1727..1807, 2136..2210, 2136..2201, 2137..2220, 2138..2206, 2320..2397, 2358..2426, 2360..2428, 2361..2426, 2362..2427, 2495..2629, 2496..2597, 2632..2670, 2636..2671		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	225	End	2689
GI	none	Score	107
Exons	225..338, 254..337, 430..510, 434..526, 1435..1638, 1436..1567, 1733..1810, 2136..2210, 2138..2206, 2360..2428, 2361..2426, 2495..2608, 2496..2597, 2546..2668, 2633..2689		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	225	End	2692
GI	none	Score	85
Exons	225..335, 254..337, 297..341, 430..513, 434..532, 437..514, 1430..1513, 1432..1638, 1436..1630, 1441..1638, 1733..1810, 1737..1805, 2136..2210, 2138..2206, 2358..2426, 2360..2428, 2495..2611, 2496..2597, 2615..2680, 2651..2692		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.gp	Method	AAT/GAP
Start	255	End	3014
GI	188_1.R1084	Score	1541
Exons	255..338, 437..510, 1432..1635, 1733..1804, 2138..2207, 2361..2425, 2528..2694, 2899..3014		

GI Descrip.	'4106694/dbj|BAA36283.1| 0.0e+00 (D85751) glutathione reductase [Oryza sativa] >gi_4153883_dbj_BAA37092.1_ (AB009592) cytosolic glutathione reductase [Oryza sativa]'		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.gs	Method	GENSCAN
Start	255	End	9621
GI	none	Score	.42
Exons	255..338, 437..510, 1432..1635, 1733..1804, 2528..2660, 2899..3087, 3750..3973, 5106..5720, 6558..6860, 8363..8452, 9550..9621		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	4981	End	6813
GI	none	Score	128
Exons	4981..5106, 5016..5180, 5021..5236, 5025..5309, 5265..5297, 5283..5510, 5311..5511, 5354..5515, 5355..5516, 6311..6433, 6313..6432, 6317..6433, 6541..6813, 6588..6629, 6609..6812		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o2.np	Method	AAT/NAP
Start	5016	End	6845
GI	3894168	Score	425
Exons	5016..5190, 5280..5508, 6314..6432, 6558..6845		
GI Descrip.	(AC005312) putative phloem-specific lectin [Arabidopsis thaliana]		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o2.gp	Method	AAT/GAP
Start	5421	End	6943
GI	23451_1.R1084	Score	1123
Exons	5421..5508, 6314..6432, 6558..6943		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o3.gp	Method	AAT/GAP
Start	8608	End	8883
GI	2280831	Score	406
Exons	8608..8883		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81405	Strand	+
Start	345	End	601
Name	OJ000208_22.0323.C14.o1.gp	Method	AAT/GAP
Start	345	End	601

GI	LIB3479-011-Q6-K1-B8	Score	470
Exons	345..601		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 6.0e-34 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o5.tm	Method	TBLASTX:Maize
Start	1	End	1987
GI	none	Score	110
Exons	1..96, 2..85, 3..95, 175..288, 178..288, 179..289, 1933..1980, 1934..1981, 1943..1987		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	452	End	754
GI	none	Score	64
Exons	452..517, 453..749, 454..747, 457..753, 605..754		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o1.gs	Method	GENSCAN
Start	454	End	7349
GI	none	Score	.59
Exons	454..844, 984..1132, 2794..2854, 3038..3131, 4500..4777, 4948..5066, 5164..5489, 5836..6179, 6931..7046, 7347..7349		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o1.np	Method	AAT/NAP
Start	463	End	1808
GI	6967112	Score	400
Exons	463..1132, 1215..1365, 1465..1604, 1671..1808		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	676	End	1085
GI	none	Score	87
Exons	676..846, 704..850, 852..1085, 854..1081		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	754	End	1146
GI	none	Score	70
Exons	754..849, 755..847, 817..879, 846..1058, 852..1130, 854..1135, 854..1129, 1030..1146		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	763	End	1235
GI	none	Score	43
Exons	763..849, 854..925, 935..1135, 1215..1235		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o3.tm	Method	TBLASTX:Maize
Start	1256	End	1538
GI	none	Score	144
Exons	1256..1522, 1257..1523, 1257..1538, 1261..1536		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o2.gp	Method	AAT/GAP
Start	3388	End	3761
GI	3767731	Score	658
Exons	3388..3761		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 6.0e-34 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o4.tm	Method	TBLASTX:Maize
Start	4399	End	7684
GI	none	Score	56
Exons	4399..4467, 4400..4462, 4468..4563, 4468..4608, 4574..4735, 4579..4737, 4605..4739, 4606..4740, 4945..5064, 4945..5064, 4947..5066, 4947..5087, 5167..5310, 5174..5311, 5389..5457, 5396..5443, 5744..5779, 5792..5860, 5797..5835, 5840..5932, 5863..5934, 5981..6028, 6044..6187, 6044..6196, 6099..6197, 6978..7046, 6987..7043, 6988..7047, 6992..7048, 7046..7117, 7258..7419, 7259..7417, 7261..7419, 7486..7683, 7493..7684		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o3.gp	Method	AAT/GAP
Start	4468	End	5025
GI	22388_1.R1084	Score	711
Exons	4468..4777, 4948..5025		
GI Descrip.	'3894168 2.0e-14 (AC005312) similar to phloem-specific lectin [Arabidopsis thaliana]'		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81407	Strand	+
Start	4680	End	5153
Name	OJ000208_22.0323.C15.o1.gp	Method	AAT/GAP
Start	4680	End	5153
GI	none	Score	901
Exons	4680..5153		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81408	Strand	-
Start	1	End	3671
Name	OJ000208_22.0323.C15.o1.np	Method	AAT/NAP
Start	1	End	3671
GI	4210322	Score	742
Exons	1..367, 442..517, 615..730, 821..889, 1045..1253, 1345..1427, 1917..2069, 2169..2256, 3441..3671		
GI Descrip.	(AJ132544) D1-processing protease [Arabidopsis thaliana]		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81408	Strand	-
Start	1	End	3671
Name	OJ000208_22.0323.C15.o1.gs	Method	GENSCAN
Start	326	End	2449
GI	none	Score	.74
Exons	326..517, 615..730, 821..889, 1045..1177, 2169..2296, 2406..2449		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81409	Strand	-
Start	6667	End	10189
Name	OJ000208_22.0323.C15.o2.gp	Method	AAT/GAP
Start	6454	End	10189
GI	17137_1.R1084	Score	2619
Exons	6454..6783, 6878..7039, 7362..7519, 8142..8217, 8296..8378, 8703..9028, 9118..9164, 9796..9932, 10080..10189		
GI Descrip.	'3023271/sp|P93436|ADH3_ORYSA 0.0e+00 GLUTATHIONE-DEPENDENT FORMALDEHYDE DEHYDROGENASE (FDH) (FALDH) (GSH-FDH) >gi_1675394 (U77637) class III ADH enzyme [Oryza sativa]'		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81409	Strand	-
Start	6667	End	10189
Name	OJ000208_22.0323.C15.o3.gs	Method	GENSCAN
Start	6667	End	9903
GI	none	Score	.69
Exons	6667..6783, 6878..7039, 7362..7519, 8142..8217, 8296..8426, 8703..8954, 9118..9164, 9707..9903		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81409	Strand	-
Start	6667	End	10189
Name	OJ000208_22.0323.C15.o2.np	Method	AAT/NAP
Start	6670	End	10119
GI	3023271	Score	1771
Exons	6670..6783, 6878..7039, 7362..7519, 8142..8217, 8296..8378, 8703..9028, 9118..9164, 9796..9932, 10080..10119		
GI Descrip.	ALCOHOL DEHYDROGENASE CLASS III (GLUTATHIONE-DEPENDENT FORMALDEHYDE DEHYDROGENASE) (FDH) (FALDH) (GSH-FDH) gi|7430933|pir||T04164 formaldehyde dehydrogenase (glutathione) (EC 1.2.1.1) - rice gi|1675394|gb|AAB19117.1| (U77637) class III ADH enzyme [Oryza sativa]		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866

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Name        OJ000208_22.0323.C15.o3.ts  Method   TBLASTX:Soybean
Start       1044                        End      1256
GI          none                        Score    132
Exons       1044..1256, 1045..1254

Seq. No.    39428                       Seq. ID  OJ000208_22.0323.C15
Gene No.    81410                       Strand   -
Start       11355                       End      13866
Name        OJ000208_22.0323.C15.o2.tm  Method   TBLASTX:Maize
Start       3707                        End      4103
GI          none                        Score    124
Exons       3707..4072, 3708..3839, 3909..4103

Seq. No.    39428                       Seq. ID  OJ000208_22.0323.C15
Gene No.    81410                       Strand   -
Start       11355                       End      13866
Name        OJ000208_22.0323.C15.o2.ts  Method   TBLASTX:Soybean
Start       4233                        End      4466
GI          none                        Score    94
Exons       4233..4292, 4253..4291, 4329..4466, 4352..4453

Seq. No.    39428                       Seq. ID  OJ000208_22.0323.C15
Gene No.    81410                       Strand   -
Start       11355                       End      13866
Name        OJ000208_22.0323.C15.o4.tm  Method   TBLASTX:Maize
Start       4865                        End      5015
GI          none                        Score    228
Exons       4865..4996, 4869..4997, 4890..5015

Seq. No.    39428                       Seq. ID  OJ000208_22.0323.C15
Gene No.    81410                       Strand   -
Start       11355                       End      13866
Name        OJ000208_22.0323.C15.o1.ts  Method   TBLASTX:Soybean
Start       6622                        End      9921
GI          none                        Score    115
Exons       6622..6786, 6623..6799, 6683..6796, 6870..6974, 6873..6980,
            6878..7000, 6974..7039, 6978..7040, 7361..7477, 7362..7517,
            7363..7530, 7373..7525, 8143..8217, 8147..8218, 8287..8409,
            8294..8380, 8701..9012, 8702..9001, 8702..9013, 8808..9080,
            9106..9165, 9117..9167, 9782..9919, 9796..9921

Seq. No.    39428                       Seq. ID  OJ000208_22.0323.C15
Gene No.    81410                       Strand   -
Start       11355                       End      13866
Name        OJ000208_22.0323.C15.o1.tc  Method   TBLASTX:Cress
Start       6667                        End      9921
GI          none                        Score    115
Exons       6667..6786, 6668..6796, 6870..7040, 6877..6960, 6878..7042,
            6878..7039, 7358..7489, 7360..7431, 7362..7517, 7369..7527,
            7465..7518, 8146..8217, 8147..8218, 8151..8228, 8294..8323,
            8297..8314, 8300..8380, 8317..8379, 8701..9012, 8702..9001,
            8774..9013, 8901..9080, 9106..9165, 9117..9167, 9189..9215,
            9782..9919, 9796..9921

Seq. No.    39428                       Seq. ID  OJ000208_22.0323.C15
Gene No.    81410                       Strand   -
Start       11355                       End      13866
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Name	OJ000208_22.0323.C15.o1.tm	Method	TBLASTX:Maize
Start	6677	End	10121
GI	none	Score	120
Exons	6677..6784, 6679..6786, 6682..6786, 6873..7040, 6877..6957, 6878..7039, 6895..7041, 7361..7489, 7362..7517, 7363..7530, 7373..7519, 8143..8217, 8144..8218, 8287..8376, 8287..8379, 8294..8380, 8701..9012, 8702..9001, 9106..9165, 9117..9167, 9119..9166, 9189..9215, 9782..9922, 9796..9921, 10080..10121, 10082..10120		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o3.gp	Method	AAT/GAP
Start	11296	End	12375
GI	none	Score	741
Exons	11296..11471, 11568..11658, 12140..12210, 12290..12375		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o5.tm	Method	TBLASTX:Maize
Start	11352	End	11640
GI	none	Score	98
Exons	11352..11468, 11352..11474, 11353..11472, 11571..11639, 11572..11640		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o4.gs	Method	GENSCAN
Start	11355	End	13847
GI	none	Score	.83
Exons	11355..11471, 11568..11658, 12140..12210, 12290..12385, 12810..12891, 13107..13177, 13240..13287, 13484..13543, 13617..13847		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o3.tm	Method	TBLASTX:Maize
Start	12807	End	13709
GI	none	Score	93
Exons	12807..12920, 12817..12894, 12821..12922, 12987..13118, 12988..13119, 13226..13285, 13234..13293, 13478..13543, 13484..13543, 13486..13545, 13486..13545, 13615..13656, 13617..13670, 13644..13670, 13645..13671, 13650..13685, 13674..13709		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o4.ts	Method	TBLASTX:Soybean
Start	12807	End	13113
GI	none	Score	100
Exons	12807..12887, 12811..12894, 12981..13112, 12987..13112, 12988..13113		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o4.gp	Method	AAT/GAP
Start	13246	End	13866
GI	none	Score	588
Exons	13246..13287, 13484..13543, 13617..13866		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81411	Strand	+
Start	6788	End	10105
Name	OJ000208_22.0323.C16.o4.np	Method	AAT/NAP
Start	6788	End	10105
GI	7491242	Score	178
Exons	6788..6829, 8588..8662, 8788..8873, 8991..9153, 9358..9480, 9613..9695, 9790..9848, 9964..10105		
GI Descrip.	hypothetical protein SPAC806.06c - fission yeast (Schizosaccharomyces pombe) gi|5834807|emb|CAB55285.1| (AL117212) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81411	Strand	+
Start	6788	End	10105
Name	OJ000208_22.0323.C16.o2.gp	Method	AAT/GAP
Start	8234	End	8966
GI	9281_1.R1084	Score	958
Exons	8234..8489, 8580..8662, 8788..8966		
GI Descrip.	'5834807/emb|CAB55285.1| 2.0e-09 (AL117212) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81411	Strand	+
Start	6788	End	10105
Name	OJ000208_22.0323.C16.o4.gs	Method	GENSCAN
Start	8236	End	9611
GI	none	Score	.95
Exons	8236..8489, 8580..8662, 8788..8873, 9157..9241, 9595..9611		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o2.np	Method	AAT/NAP
Start	1	End	5593
GI	2459415	Score	194
Exons	1..49, 5057..5593		
GI Descrip.	(AC002332) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o1.gs	Method	GENSCAN
Start	296	End	775
GI	none	Score	1
Exons	296..775		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16

Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o1.np	Method	AAT/NAP
Start	1796	End	4902
GI	1076509	Score	600
Exons	1796..1852, 2194..2466, 2562..2663, 3153..3365, 4864..4902		
GI Descrip.	RNA-binding protein RNP1 precursor - kidney bean gi|558629|emb|CAA57551.1| (X82030) chloroplast RNA binding protein [Phaseolus vulgaris]		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o2.gs	Method	GENSCAN
Start	1802	End	3602
GI	none	Score	.68
Exons	1802..1930, 2194..2466, 2562..2663, 3153..3602		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o3.gs	Method	GENSCAN
Start	4796	End	8019
GI	none	Score	.68
Exons	4796..5709, 6820..6921, 7771..7906, 8017..8019		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o1.gp	Method	AAT/GAP
Start	6358	End	7906
GI	78765_1.R1084	Score	754
Exons	6358..6562, 6820..6921, 7771..7906		
GI Descrip.	'2500378/sp|Q43292|RL37_ARATH 6.0e-24 60S RIBOSOMAL PROTEIN L37'		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o3.np	Method	AAT/NAP
Start	6519	End	7909
GI	2500378	Score	359
Exons	6519..6562, 6820..6921, 7771..7909		
GI Descrip.	60S RIBOSOMAL PROTEIN L37		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81413	Strand	-
Start	9952	End	10425
Name	OJ000208_22.0323.C16.o3.gp	Method	AAT/GAP
Start	9952	End	10425
GI	none	Score	920
Exons	9952..10425		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o1.tc	Method	TBLASTX:Cress
Start	1805	End	2666

GI	none	Score	102
Exons	1805..1852, 2197..2415, 2300..2389, 2565..2666		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o2.tm	Method	TBLASTX:Maize
Start	2188	End	2666
GI	none	Score	80
Exons	2188..2295, 2197..2373, 2197..2388, 2419..2469, 2553..2663, 2554..2655, 2565..2666		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o1.ts	Method	TBLASTX:Soybean
Start	2197	End	3246
GI	none	Score	48
Exons	2197..2385, 2200..2334, 2213..2254, 2311..2514, 2336..2458, 2560..2664, 2565..2681, 2568..2666, 3144..3245, 3151..3246		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o2.ts	Method	TBLASTX:Soybean
Start	6522	End	7937
GI	none	Score	117
Exons	6522..6563, 6813..6920, 6816..6917, 6818..6919, 7761..7937, 7772..7906		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o3.tc	Method	TBLASTX:Cress
Start	6813	End	7913
GI	none	Score	115
Exons	6813..6917, 6816..6926, 6818..6925, 7761..7913, 7775..7912		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o3.tm	Method	TBLASTX:Maize
Start	7761	End	7907
GI	none	Score	214
Exons	7761..7907, 7772..7906		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o2.tc	Method	TBLASTX:Cress
Start	8604	End	9080
GI	none	Score	98
Exons	8604..8660, 8605..8661, 8608..8670, 8786..8881, 8787..8882, 8988..9080, 8990..9073		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-

Start	10939	End	11139
Name	OJ000208_22.0323.C16.o1.tm	Method	TBLASTX:Maize
Start	8989	End	9696
GI	none	Score	96
Exons	8989..9090, 8994..9065, 9010..9075, 9156..9242, 9156..9245, 9157..9243, 9356..9469, 9357..9470, 9609..9695, 9615..9695, 9616..9696		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o5.gs	Method	GENSCAN
Start	10939	End	11139
GI	none	Score	.99
Exons	10939..11139		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.gp	Method	AAT/GAP
Start	1	End	1880
GI	374_1.R1084	Score	661
Exons	1..26, 817..1101, 1814..1880		
GI Descrip.	'2459420 2.0e-75 (AC002332) putative ribosomal protein L17 [Arabidopsis thaliana]'		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	1114
GI	2459420	Score	486
Exons	1..26, 817..1114		
GI Descrip.	(AC002332) 60S ribosomal protein L23 [Arabidopsis thaliana]		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1099
GI	none	Score	69
Exons	1..33, 817..909, 818..1099, 819..1076, 967..1080		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.tm	Method	TBLASTX:Maize
Start	798	End	1141
GI	none	Score	411
Exons	798..1109, 818..1141, 819..1076		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.tc	Method	TBLASTX:Cress
Start	813	End	1109
GI	none	Score	374

Exons	813..1076, 815..1099, 815..1102, 816..1109		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.gs	Method	GENSCAN
Start	817	End	1826
GI	none	Score	.78
Exons	817..1101, 1814..1826		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.ts	Method	TBLASTX:Soybean
Start	818	End	1123
GI	none	Score	342
Exons	818..1123, 819..1076, 976..1110		

Seq. No.	39431	Seq. ID	OJ000208_22.0323.C18
Gene No.	81416	Strand	+
Start	527	End	778
Name	OJ000208_22.0323.C18.o1.gs	Method	GENSCAN
Start	527	End	778
GI	none	Score	.73
Exons	527..624, 710..778		

Seq. No.	39432	Seq. ID	OJ000118_11.0307.C3
Gene No.	81417	Strand	-
Start	310	End	3049
Name	OJ000118_11.0307.C3.o1.gs	Method	GENSCAN
Start	310	End	3049
GI	none	Score	.56
Exons	310..832, 984..1247, 2305..2378, 2955..3049		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81418	Strand	+
Start	869	End	1069
Name	OJ000118_11.0307.C4.o1.gs	Method	GENSCAN
Start	869	End	1069
GI	none	Score	.41
Exons	869..1069		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	
Start	977	End	1962
Name	OJ000118_11.0307.C4.o1.tw	Method	TBLASTX:Wheat
Start	977	End	1330
GI	none	Score	73
Exons	977..1330, 978..1076		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	
Start	977	End	1962
Name	OJ000118_11.0307.C4.o1.tm	Method	TBLASTX:Maize
Start	1067	End	1538
GI	none	Score	97
Exons	1067..1144, 1166..1537, 1337..1531, 1347..1538		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	
Start	977	End	1962
Name	OJ000118_11.0307.C4.o2.tw	Method	TBLASTX:Wheat
Start	1436	End	1956
GI	none	Score	174
Exons	1436..1534, 1613..1738, 1690..1956		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	
Start	977	End	1962
Name	OJ000118_11.0307.C4.o1.ts	Method	TBLASTX:Soybean
Start	1610	End	1957
GI	none	Score	84
Exons	1610..1714, 1690..1797, 1783..1950, 1811..1957		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	
Start	977	End	1962
Name	OJ000118_11.0307.C4.o2.tm	Method	TBLASTX:Maize
Start	1742	End	1962
GI	none	Score	197
Exons	1742..1960, 1759..1962		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81420	Strand	+
Start	6492	End	14678
Name	OJ000118_11.0307.C5.o2.gs	Method	GENSCAN
Start	6492	End	14678
GI	none	Score	.57
Exons	6492..6580, 7371..7868, 7886..8446, 9158..9511, 14597..14678		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o1.tm	Method	TBLASTX:Maize
Start	5	End	250
GI	none	Score	263
Exons	5..250, 6..242		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o3.tw	Method	TBLASTX:Wheat
Start	10	End	286
GI	none	Score	115
Exons	10..219, 11..286, 12..254		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o1.gs	Method	GENSCAN
Start	23	End	5168
GI	none	Score	.5
Exons	23..310, 485..1899, 2012..4069, 4103..4412, 4503..5168		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o2.tm	Method	TBLASTX:Maize
Start	425	End	610
GI	none	Score	144
Exons	425..610, 438..602		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o2.tw	Method	TBLASTX:Wheat
Start	617	End	1027
GI	none	Score	106
Exons	617..1027, 627..797		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o3.tm	Method	TBLASTX:Maize
Start	716	End	1249
GI	none	Score	64
Exons	716..880, 732..881, 965..1177, 1208..1249		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o1.tw	Method	TBLASTX:Wheat
Start	1248	End	1604
GI	none	Score	141
Exons	1248..1430, 1250..1474, 1258..1467, 1391..1504, 1454..1600, 1488..1604		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o2.np	Method	AAT/NAP
Start	4140	End	9445
GI	7508657	Score	187
Exons	4140..4253, 7808..7988, 8117..8293, 9024..9153, 9212..9445		
GI Descrip.	hypothetical protein T28C6.1 - Caenorhabditis elegans gi|3880303|emb|CAA90992.1| (Z54238) T28C6.1 [Caenorhabditis elegans]		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81422	Strand	+
Start	257	End	1606
Name	OJ000118_11.0307.C6.o1.gs	Method	GENSCAN
Start	257	End	1606
GI	none	Score	.4
Exons	257..456, 1468..1606		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81423	Strand	+
Start	3453	End	7119
Name	OJ000118_11.0307.C6.o1.np	Method	AAT/NAP
Start	3453	End	7119

GI	7489779	Score	1003
Exons	3453..3641, 3675..3871, 3974..3999, 4120..4150, 4234..4321, 4433..4578, 5185..5229, 5320..5423, 5517..5656, 6097..6198, 6913..7119		
GI Descrip.	indeterminate spikelet 1 - maize gi|2944040|gb|AAC05206.1| (AF048900) indeterminate spikelet 1 [Zea mays]		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81424	Strand	+
Start	14080	End	23049
Name	OJ000118_11.0307.C6.o4.gs	Method	GENSCAN
Start	14080	End	23049
GI	none	Score	.53
Exons	14080..14096, 15804..15968, 16024..16125, 16172..16342, 21407..21641, 21763..21858, 22906..23049		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81424	Strand	+
Start	14080	End	23049
Name	OJ000118_11.0307.C6.o2.np	Method	AAT/NAP
Start	21245	End	21667
GI	3789948	Score	547
Exons	21245..21667		
GI Descrip.	(AF094773) translation initiation factor 5A [Oryza sativa]		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81425	Strand	+
Start	23380	End	24526
Name	OJ000118_11.0307.C6.o5.gs	Method	GENSCAN
Start	23380	End	24526
GI	none	Score	.83
Exons	23380..23385, 24113..24271, 24446..24526		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81426	Strand	+
Start	26012	End	33382
Name	OJ000118_11.0307.C6.o6.gs	Method	GENSCAN
Start	26012	End	30251
GI	none	Score	.4
Exons	26012..26077, 26694..26966, 27229..27480, 27510..28366, 28468..29951, 29971..30111, 30184..30251		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81426	Strand	+
Start	26012	End	33382
Name	OJ000118_11.0307.C6.o4.np	Method	AAT/NAP
Start	26759	End	30248
GI	4680180	Score	139
Exons	26759..26786, 29886..30248		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81426	Strand	+
Start	26012	End	33382
Name	OJ000118_11.0307.C6.o3.np	Method	AAT/NAP
Start	26780	End	33382
GI	4378066	Score	769

Exons	26780..26976, 27046..27176, 27681..29923, 33362..33382		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81427	Strand	+
Start	42472	End	45615
Name	OJ000118_11.0307.C6.o8.gs	Method	GENSCAN
Start	42472	End	45615
GI	none	Score	.94
Exons	42472..42484, 42621..42993, 45456..45615		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81428	Strand	+
Start	45888	End	46767
Name	OJ000118_11.0307.C6.o9.gs	Method	GENSCAN
Start	45888	End	46767
GI	none	Score	.9
Exons	45888..45950, 46006..46179, 46645..46767		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81429	Strand	+
Start	47167	End	48261
Name	OJ000118_11.0307.C6.o7.np	Method	AAT/NAP
Start	47167	End	48261
GI	6815053	Score	666
Exons	47167..47313, 47813..47988, 48025..48261		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81430	Strand	+
Start	52481	End	53742
Name	OJ000118_11.0307.C6.o11.gs	Method	GENSCAN
Start	52481	End	53742
GI	none	Score	.41
Exons	52481..52528, 52848..52967, 53638..53742		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81431	Strand	-
Start	6271	End	11014
Name	OJ000118_11.0307.C6.o3.gs	Method	GENSCAN
Start	6271	End	11014
GI	none	Score	.43
Exons	6271..6374, 6926..7036, 7165..7361, 10386..10576, 10889..11014		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81431	Strand	-
Start	6271	End	11014
Name	OJ000118_11.0307.C6.o1.gp	Method	AAT/GAP
Start	7076	End	7393
GI	none	Score	610
Exons	7076..7393		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81432	Strand	-
Start	30847	End	41055

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Name          OJ000118_11.0307.C6.o7.gs     Method    GENSCAN
Start         30847                         End       40979
GI            none                          Score     .52
Exons         30847..30945, 31195..31284, 31609..31925, 31957..32114,
              32228..32391, 32488..33449, 33562..33637, 33710..34102,
              34118..34447, 34882..34955, 35548..35598, 36606..36659,
              37359..37594, 40164..40276, 40464..40979

Seq. No.      39435                         Seq. ID   OJ000118_11.0307.C6
Gene No.      81432                         Strand    -
Start         30847                         End       41055
Name          OJ000118_11.0307.C6.o3.gp     Method    AAT/GAP
Start         38496                         End       38980
GI            none                          Score     596
Exons         38496..38517, 38652..38980

Seq. No.      39435                         Seq. ID   OJ000118_11.0307.C6
Gene No.      81432                         Strand    -
Start         30847                         End       41055
Name          OJ000118_11.0307.C6.o4.gp     Method    AAT/GAP
Start         39350                         End       39784
GI            7727_1.R1084                  Score     814
Exons         39350..39784
GI Descrip.   '5295936/dbj|AB026295.2|AB026295 3.0e-10 Oryza sativa genomic
              DNA, chromosome 6, clone:P0681F10, complete sequence'

Seq. No.      39435                         Seq. ID   OJ000118_11.0307.C6
Gene No.      81432                         Strand    -
Start         30847                         End       41055
Name          OJ000118_11.0307.C6.o5.gp     Method    AAT/GAP
Start         40782                         End       41055
GI            3061002                       Score     462
Exons         40782..41055
GI Descrip.   5295936/dbj|AB026295.2|AB026295 3.0e-10 Oryza sativa genomic
              DNA, chromosome 6, clone:P0681F10, complete sequence

Seq. No.      39435                         Seq. ID   OJ000118_11.0307.C6
Gene No.      81433                         Strand    -
Start         40990                         End       43023
Name          OJ000118_11.0307.C6.o5.np     Method    AAT/NAP
Start         40990                         End       43023
GI            5852080                       Score     555
Exons         40990..41039, 42624..43023
GI Descrip.   (AL117264) zwh0003.1 [Oryza sativa]

Seq. No.      39435                         Seq. ID   OJ000118_11.0307.C6
Gene No.      81434                         Strand    -
Start         44462                         End       47658
Name          OJ000118_11.0307.C6.o6.np     Method    AAT/NAP
Start         44462                         End       47658
GI            7339701                       Score     41
Exons         44462..44533, 45635..45718, 47617..47658
GI Descrip.   (AP001539) hypothetical protein [Oryza sativa]

Seq. No.      39435                         Seq. ID   OJ000118_11.0307.C6
Gene No.      81435                         Strand    -
Start         47884                         End       51566
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Name	OJ000118_11.0307.C6.o1.tc	Method	TBLASTX:Cress
Start	3779	End	5437
GI	none	Score	91
Exons	3779..3874, 3828..3872, 3974..4000, 3975..4001, 4115..4147, 4128..4151, 4232..4324, 4232..4315, 4240..4320, 4410..4580, 4430..4582, 4432..4584, 4433..4579, 4444..4581, 5183..5230, 5183..5230, 5185..5229, 5276..5413, 5309..5437, 5317..5409		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o2.ts	Method	TBLASTX:Soybean
Start	3779	End	5427
GI	none	Score	91
Exons	3779..3874, 3828..3872, 3974..4000, 3975..4001, 4115..4150, 4128..4151, 4231..4389, 4232..4324, 4232..4315, 4432..4560, 4432..4581, 4433..4579, 5170..5229, 5183..5230, 5183..5230, 5276..5422, 5309..5401, 5317..5427		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o2.tm	Method	TBLASTX:Maize
Start	3782	End	5566
GI	none	Score	91
Exons	3782..3874, 3828..3872, 3974..4000, 3975..4001, 4115..4150, 4128..4151, 4231..4320, 4232..4324, 4232..4315, 4416..4580, 4432..4581, 4433..4579, 5170..5229, 5183..5230, 5183..5230, 5276..5404, 5309..5401, 5317..5415, 5531..5566		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o1.ts	Method	TBLASTX:Soybean
Start	21227	End	35680
GI	none	Score	36
Exons	21227..21265, 21232..21291, 21257..21292, 21284..21412, 21286..21411, 21368..21490, 21404..21445, 21441..21530, 21490..21627, 21492..21638, 21492..21629, 21625..21666, 21626..21664, 26023..26055, 26024..26056, 26058..26102, 26092..26121, 26093..26122, 35386..35451, 35405..35440, 35443..35484, 35444..35494, 35479..35529, 35480..35569, 35531..35590, 35531..35590, 35615..35680, 35639..35680		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o2.tc	Method	TBLASTX:Cress
Start	21230	End	35680
GI	none	Score	35
Exons	21230..21289, 21284..21439, 21286..21411, 21296..21412, 21404..21445, 21406..21441, 21408..21446, 21441..21488, 21446..21490, 21449..21487, 21492..21638, 21508..21588, 21625..21666, 21626..21664, 26009..26044, 26058..26102, 26093..26122, 35443..35484, 35447..35485, 35480..35527, 35488..35526, 35531..35590, 35615..35680		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o1.tm	Method	TBLASTX:Maize
Start	21235	End	35686
GI	none	Score	79
Exons	21235..21291, 21237..21290, 21238..21291, 21239..21292, 21284..21412, 21286..21411, 21404..21445, 21406..21447, 21435..21530, 21441..21530, 21490..21627, 21491..21628, 21492..21638, 21492..21629, 21572..21661, 21625..21666, 21626..21664, 26008..26055, 26009..26056, 26058..26102, 26092..26121, 26093..26122, 35385..35450, 35386..35478, 35443..35484, 35447..35485, 35480..35569, 35531..35590, 35531..35590, 35630..35686, 35639..35683		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o1.tw	Method	TBLASTX:Wheat
Start	21245	End	35635
GI	none	Score	63
Exons	21245..21292, 21284..21412, 21286..21411, 21404..21445, 21406..21441, 21441..21488, 21478..21627, 21483..21638, 21566..21628, 21625..21657, 21626..21658, 25985..26056, 26008..26052, 26047..26091, 26048..26089, 26092..26121, 26093..26122, 35402..35443, 35443..35484, 35444..35485, 35479..35526, 35480..35527, 35522..35608, 35576..35635, 35606..35635		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o4.tw	Method	TBLASTX:Wheat
Start	27879	End	28169
GI	none	Score	182
Exons	27879..28169		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o3.tw	Method	TBLASTX:Wheat
Start	29018	End	29377
GI	none	Score	84
Exons	29018..29149, 29155..29376, 29156..29377		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o2.tw	Method	TBLASTX:Wheat
Start	29582	End	29929
GI	none	Score	341
Exons	29582..29929, 29608..29925		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o3.tm	Method	TBLASTX:Maize

Start	29710	End	29929
GI	none	Score	276
Exons	29710..29922, 29711..29929		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o5.tm	Method	TBLASTX:Maize
Start	29937	End	30197
GI	none	Score	190
Exons	29937..30197, 30005..30172		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o4.tm	Method	TBLASTX:Maize
Start	41202	End	42190
GI	none	Score	66
Exons	41202..41330, 41222..41362, 41225..41329, 41225..41338, 41232..41321, 41240..41332, 41243..41362, 41253..41327, 41300..41359, 41351..41470, 41355..41477, 41358..41480, 41367..41480, 41373..41480, 41375..41488, 41385..41480, 41396..41488, 41397..41480, 41401..41484, 41404..41493, 41495..41653, 41530..41640, 41534..41638, 41534..41641, 41564..41641, 41564..41641, 41697..41765, 41702..41854, 41705..41854, 41714..41863, 41716..41853, 41717..41866, 41729..41848, 41741..41887, 41748..41858, 41758..41862, 41876..42031, 41879..42028, 41910..41984, 41911..42012, 41911..42018, 41917..42003, 42025..42180, 42059..42187, 42062..42190		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o10.gs	Method	GENSCAN
Start	47884	End	51566
GI	none	Score	.74
Exons	47884..47957, 49686..49719, 49810..50034, 50172..50214, 50482..50582, 50595..50651, 51516..51566		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81436	Strand	+
Start	1	End	5832
Name	OJ000118_11.0307.C7.o1.np	Method	AAT/NAP
Start	1	End	1634
GI	7339719	Score	82
Exons	1..65, 1530..1634		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81436	Strand	+
Start	1	End	5832
Name	OJ000118_11.0307.C7.o1.gs	Method	GENSCAN
Start	217	End	5832
GI	none	Score	.86
Exons	217..320, 2632..2768, 5293..5433, 5702..5832		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81437	Strand	+
Start	6521	End	7007
Name	OJ000118_11.0307.C7.o1.gp	Method	AAT/GAP
Start	6521	End	7007
GI	uC-osflcyp134h05a1	Score	974
Exons	6521..7007		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o2.tm	Method	TBLASTX:Maize
Start	1685	End	2468
GI	none	Score	43
Exons	1685..1774, 1687..1809, 1692..1808, 1693..1809, 1693..1830, 1694..1816, 1788..1919, 1795..1917, 1806..1925, 1807..1920, 1813..1920, 1821..1928, 1821..1925, 1848..1913, 1955..2095, 1961..2080, 1961..2080, 1973..2074, 1975..2076, 1977..2129, 1977..2126, 1983..2078, 2064..2156, 2118..2210, 2118..2180, 2153..2311, 2154..2303, 2157..2297, 2159..2305, 2168..2302, 2175..2312, 2190..2303, 2191..2319, 2192..2323, 2195..2302, 2324..2431, 2346..2447, 2346..2447, 2349..2468, 2351..2434, 2355..2432, 2355..2450, 2356..2433		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o2.np	Method	AAT/NAP
Start	6031	End	7937
GI	2130125	Score	399
Exons	6031..6103, 7401..7937		
GI Descrip.	DNA-binding protein Dof3 - maize (fragment) gi|1061308|emb|CAA56288| (X79935) Dof3 gene [Zea mays]		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o1.ts	Method	TBLASTX:Soybean
Start	7652	End	7910
GI	none	Score	139
Exons	7652..7909, 7761..7910		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o1.tc	Method	TBLASTX:Cress
Start	7655	End	7933
GI	none	Score	104
Exons	7655..7933, 7761..7895		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	7658	End	7906

GI	none	Score	81
Exons	7658..7906, 7761..7862		

Seq. No.	39437	Seq. ID	OJ000118_11.0307.C8
Gene No.	81439	Strand	+
Start	749	End	4611
Name	OJ000118_11.0307.C8.o1.gs	Method	GENSCAN
Start	749	End	4611
GI	none	Score	.61
Exons	749..800, 2464..2595, 4514..4611		

Seq. No.	39437	Seq. ID	OJ000118_11.0307.C8
Gene No.	81439	Strand	+
Start	749	End	4611
Name	OJ000118_11.0307.C8.o1.gp	Method	AAT/GAP
Start	1326	End	1413
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	1326..1413		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39437	Seq. ID	OJ000118_11.0307.C8
Gene No.	81440	Strand	-
Start	5013	End	8328
Name	OJ000118_11.0307.C8.o2.gs	Method	GENSCAN
Start	5013	End	8328
GI	none	Score	.55
Exons	5013..5041, 8289..8328		

Seq. No.	39438	Seq. ID	OJ000208_15.0313.C1
Gene No.	81441	Strand	+
Start	311	End	605
Name	OJ000208_15.0313.C1.o1.gp	Method	AAT/GAP
Start	311	End	574
GI	LIB3433-055-P1-K1-B12	Score	474
Exons	311..574		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 0.0e+00 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	39438	Seq. ID	OJ000208_15.0313.C1
Gene No.	81441	Strand	+
Start	311	End	605
Name	OJ000208_15.0313.C1.o1.tm	Method	TBLASTX:Maize
Start	372	End	605
GI	none	Score	192
Exons	372..605, 431..568		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81442	Strand	+
Start	681	End	7574
Name	OJ000208_15.0313.C2.o2.np	Method	AAT/NAP
Start	681	End	4889
GI	5295966	Score	491
Exons	681..708, 3349..3464, 4076..4648, 4700..4889		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81442	Strand	+
Start	681	End	7574
Name	OJ000208_15.0313.C2.o1.gs	Method	GENSCAN
Start	1165	End	1735
GI	none	Score	.99
Exons	1165..1183, 1303..1460, 1631..1735		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81442	Strand	+
Start	681	End	7574
Name	OJ000208_15.0313.C2.o2.gs	Method	GENSCAN
Start	2504	End	5960
GI	none	Score	.4
Exons	2504..2578, 3009..3464, 4185..4783, 5599..5799, 5900..5960		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81442	Strand	+
Start	681	End	7574
Name	OJ000208_15.0313.C2.o3.np	Method	AAT/NAP
Start	5591	End	7574
GI	6539570	Score	238
Exons	5591..5791, 5961..6026, 6647..6951, 7544..7574		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81443	Strand	+
Start	8694	End	9557
Name	OJ000208_15.0313.C2.o4.gs	Method	GENSCAN
Start	8694	End	9557
GI	none	Score	.88
Exons	8694..9557		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81444	Strand	-
Start	984	End	5795
Name	OJ000208_15.0313.C2.o1.np	Method	AAT/NAP
Start	984	End	5795
GI	6069646	Score	200
Exons	984..1239, 5739..5795		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-
Start	6643	End	7026
Name	OJ000208_15.0313.C2.o1.tm	Method	TBLASTX:Maize
Start	4066	End	4790
GI	none	Score	154
Exons	4066..4176, 4067..4228, 4230..4607, 4250..4585, 4710..4790		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-

Start	6643	End	7026
Name	OJ000208_15.0313.C2.o1.tc	Method	TBLASTX:Cress
Start	4107	End	4580
GI	none	Score	36
Exons	4107..4160, 4148..4228, 4230..4385, 4434..4580		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-
Start	6643	End	7026
Name	OJ000208_15.0313.C2.o1.tw	Method	TBLASTX:Wheat
Start	4148	End	4571
GI	none	Score	61
Exons	4148..4210, 4200..4382, 4292..4381, 4394..4540, 4395..4571		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-
Start	6643	End	7026
Name	OJ000208_15.0313.C2.o1.ts	Method	TBLASTX:Soybean
Start	4230	End	4559
GI	none	Score	251
Exons	4230..4559, 4427..4555		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-
Start	6643	End	7026
Name	OJ000208_15.0313.C2.o3.gs	Method	GENSCAN
Start	6643	End	7026
GI	none	Score	.91
Exons	6643..7026		

Seq. No.	39440	Seq. ID	OJ000208_15.0313.C3
Gene No.	81446	Strand	-
Start	1665	End	1796
Name	OJ000208_15.0313.C3.o2.gs	Method	GENSCAN
Start	1665	End	1796
GI	none	Score	.5
Exons	1665..1796		

Seq. No.	39441	Seq. ID	OJ000208_15.0313.C6
Gene No.	81447	Strand	+
Start	595	End	690
Name	OJ000208_15.0313.C6.o1.gs	Method	GENSCAN
Start	595	End	690
GI	none	Score	.43
Exons	595..690		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81448	Strand	+
Start	124	End	980
Name	OJ000208_15.0313.C7.o1.gs	Method	GENSCAN
Start	124	End	927
GI	none	Score	.95
Exons	124..927		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81448	Strand	+
Start	124	End	980

Name	OJ000208_15.0313.C7.o1.np	Method	AAT/NAP
Start	147	End	643
GI	5295966	Score	137
Exons	147..643		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81448	Strand	+
Start	124	End	980
Name	OJ000208_15.0313.C7.o1.gp	Method	AAT/GAP
Start	479	End	980
GI	none	Score	950
Exons	479..980		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81449	Strand	-
Start	2192	End	2617
Name	OJ000208_15.0313.C7.o1.tm	Method	TBLASTX:Maize
Start	103	End	447
GI	none	Score	75
Exons	103..219, 277..447, 303..446		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81449	Strand	-
Start	2192	End	2617
Name	OJ000208_15.0313.C7.o2.gs	Method	GENSCAN
Start	2192	End	2617
GI	none	Score	.96
Exons	2192..2617		

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81450	Strand	+
Start	1	End	2097
Name	OJ000208_15.0313.C8.o1.np	Method	AAT/NAP
Start	1	End	1745
GI	5295966	Score	167
Exons	1..51, 1444..1745		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81450	Strand	+
Start	1	End	2097
Name	OJ000208_15.0313.C8.o1.gs	Method	GENSCAN
Start	479	End	2097
GI	none	Score	.82
Exons	479..531, 673..862, 1004..1149, 1193..1236, 1442..2097		

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81450	Strand	+
Start	1	End	2097
Name	OJ000208_15.0313.C8.o1.gp	Method	AAT/GAP
Start	1101	End	1764
GI	LIB3433-058-P1-K1-D2	Score	839
Exons	1101..1236, 1456..1764		
GI Descrip.	'5295966/dbj|BAA81867.1| 2.0e-21 (AB026295) Similar to Glycine		

max gmsti mRNA.(X79770) [Oryza sativa]'

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81451	Strand	+
Start	2045	End	2145
Name	OJ000208_15.0313.C8.o1.tm	Method	TBLASTX:Maize
Start	1429	End	1845
GI	none	Score	98
Exons	1429..1572, 1578..1736, 1579..1737, 1792..1845		

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81451	Strand	+
Start	2045	End	2145
Name	OJ000208_15.0313.C8.o2.gp	Method	AAT/GAP
Start	2045	End	2145
GI	3107036	Score	158
Exons	2045..2145		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.gs	Method	GENSCAN
Start	94	End	1369
GI	none	Score	.47
Exons	94..191, 393..1369		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.np	Method	AAT/NAP
Start	125	End	1424
GI	5032279	Score	411
Exons	125..369, 489..705, 769..1424		
GI Descrip.	(AF147264) may be a pseudogene [Arabidopsis thaliana] gi|7267351|emb|CAB81124.1| (AL161506) putative transposon protein [Arabidopsis thaliana]		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.ts	Method	TBLASTX:Soybean
Start	146	End	430
GI	none	Score	41
Exons	146..196, 192..362, 368..430		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.tm	Method	TBLASTX:Maize
Start	155	End	1423
GI	none	Score	80
Exons	155..196, 192..356, 220..357, 1022..1336, 1373..1423		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.tw	Method	TBLASTX:Wheat

Start	1058	End	1315
GI	none	Score	76
Exons	1058..1315, 1058..1315		

Seq. No.	39445	Seq. ID	OJ000208_15.0313.C11
Gene No.	81453	Strand	+
Start	1574	End	1806
Name	OJ000208_15.0313.C11.o1.gs	Method	GENSCAN
Start	1574	End	1806
GI	none	Score	.42
Exons	1574..1693, 1698..1806		

Seq. No.	39446	Seq. ID	OJ000208_15.0313.C12
Gene No.	81454	Strand	+
Start	1	End	3868
Name	OJ000208_15.0313.C12.o1.np	Method	AAT/NAP
Start	1	End	2122
GI	6069646	Score	152
Exons	1..20, 1729..2122		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39446	Seq. ID	OJ000208_15.0313.C12
Gene No.	81454	Strand	+
Start	1	End	3868
Name	OJ000208_15.0313.C12.o1.gs	Method	GENSCAN
Start	13	End	3861
GI	none	Score	.69
Exons	13..64, 1712..1929, 2463..2844, 2941..3107, 3226..3861		

Seq. No.	39446	Seq. ID	OJ000208_15.0313.C12
Gene No.	81454	Strand	+
Start	1	End	3868
Name	OJ000208_15.0313.C12.o1.tm	Method	TBLASTX:Maize
Start	1728	End	2087
GI	none	Score	137
Exons	1728..1889, 1730..1888, 1890..2087		

Seq. No.	39446	Seq. ID	OJ000208_15.0313.C12
Gene No.	81454	Strand	+
Start	1	End	3868
Name	OJ000208_15.0313.C12.o2.np	Method	AAT/NAP
Start	3319	End	3868
GI	7340723	Score	188
Exons	3319..3868		
GI Descrip.	(AL162507) putative protein [Arabidopsis thaliana]		

Seq. No.	39447	Seq. ID	OJ000208_15.0313.C13
Gene No.	81455	Strand	+
Start	569	End	673
Name	OJ000208_15.0313.C13.o1.gs	Method	GENSCAN
Start	569	End	673
GI	none	Score	.87
Exons	569..673		

Seq. No.	39447	Seq. ID	OJ000208_15.0313.C13
Gene No.	81456	Strand	-
Start	1	End	629
Name	OJ000208_15.0313.C13.o1.np	Method	AAT/NAP
Start	1	End	629
GI	5295966	Score	64
Exons	1..23, 498..629		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81457	Strand	+
Start	15756	End	16477
Name	OJ000208_15.0313.C15.o1.gp	Method	AAT/GAP
Start	15756	End	16477
GI	71605_1.R1084	Score	1406
Exons	15756..16477		
GI Descrip.	'4680339/gb|AAD27630.1|AF128457_4 6.0e-16 (AF128457) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81458	Strand	+
Start	19892	End	27945
Name	OJ000208_15.0313.C15.o6.np	Method	AAT/NAP
Start	19892	End	24591
GI	4680186	Score	365
Exons	19892..19970, 21955..22112, 22701..22870, 24564..24591		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81458	Strand	+
Start	19892	End	27945
Name	OJ000208_15.0313.C15.o5.gs	Method	GENSCAN
Start	22669	End	27945
GI	none	Score	.66
Exons	22669..22695, 23046..23284, 23917..24014, 24402..24586, 24806..24987, 25080..25303, 25392..26278, 26471..27296, 27596..27685, 27795..27877, 27934..27945		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81459	Strand	+
Start	35968	End	36679
Name	OJ000208_15.0313.C15.o9.np	Method	AAT/NAP
Start	35968	End	36679
GI	5852175	Score	184
Exons	35968..36311, 36460..36679		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81459	Strand	+
Start	35968	End	36679
Name	OJ000208_15.0313.C15.o10.np	Method	AAT/NAP
Start	35977	End	36679
GI	4680184	Score	476
Exons	35977..36679		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81460	Strand	-
Start	3469	End	5683
Name	OJ000208_15.0313.C15.o2.np	Method	AAT/NAP
Start	3469	End	5637
GI	7302108	Score	57
Exons	3469..3493, 5399..5637		
GI Descrip.	(AE003780) CG2094 gene product [Drosophila melanogaster]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81460	Strand	-
Start	3469	End	5683
Name	OJ000208_15.0313.C15.o2.gs	Method	GENSCAN
Start	3651	End	5683
GI	none	Score	.63
Exons	3651..3850, 4376..4502, 5083..5286, 5342..5683		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81461	Strand	-
Start	15733	End	17952
Name	OJ000208_15.0313.C15.o4.gs	Method	GENSCAN
Start	15733	End	17952
GI	none	Score	.73
Exons	15733..17952		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81461	Strand	-
Start	15733	End	17952
Name	OJ000208_15.0313.C15.o4.np	Method	AAT/NAP
Start	15742	End	16031
GI	4680339	Score	232
Exons	15742..16031		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81461	Strand	-
Start	15733	End	17952
Name	OJ000208_15.0313.C15.o5.np	Method	AAT/NAP
Start	15742	End	17311
GI	4680339	Score	242
Exons	15742..16051, 17271..17311		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o4.tm	Method	TBLASTX:Maize
Start	2408	End	29898
GI	none	Score	133
Exons	2408..2623, 29632..29898, 29633..29791		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o4.tw	Method	TBLASTX:Wheat
Start	2408	End	29790

GI	none	Score	87
Exons	2408..2566, 2603..2707, 2702..2755, 29401..29790, 29486..29524, 29579..29746		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o2.ts	Method	TBLASTX:Soybean
Start	2597	End	29628
GI	none	Score	68
Exons	2597..2683, 2702..2923, 29254..29478, 29485..29628		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o3.tm	Method	TBLASTX:Maize
Start	2663	End	29631
GI	none	Score	141
Exons	2663..2902, 29269..29631, 29270..29539		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o5.tm	Method	TBLASTX:Maize
Start	8206	End	16284
GI	none	Score	35
Exons	8206..8229, 8257..8391, 8407..8487, 8576..8737, 8590..8727, 15802..15966, 16060..16131, 16180..16284		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o7.np	Method	AAT/NAP
Start	28679	End	32599
GI	7489805	Score	3095
Exons	28679..32599		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o8.tw	Method	TBLASTX:Wheat
Start	28691	End	29283
GI	none	Score	90
Exons	28691..28813, 28940..29137, 29164..29283		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o6.tm	Method	TBLASTX:Maize
Start	28730	End	28993
GI	none	Score	85
Exons	28730..28993, 28755..28889		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-

Start	28679	End	36508
Name	OJ000208_15.0313.C15.o3.tw	Method	TBLASTX:Wheat
Start	30098	End	30529
GI	none	Score	137
Exons	30098..30529, 30105..30389		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o3.ts	Method	TBLASTX:Soybean
Start	30173	End	30532
GI	none	Score	99
Exons	30173..30394, 30174..30521, 30434..30532		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o1.ts	Method	TBLASTX:Soybean
Start	30780	End	31180
GI	none	Score	47
Exons	30780..30872, 30797..31180, 30987..31130		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o6.tw	Method	TBLASTX:Wheat
Start	30812	End	31021
GI	none	Score	71
Exons	30812..31021, 30912..31016		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o2.tm	Method	TBLASTX:Maize
Start	30899	End	31282
GI	none	Score	191
Exons	30899..31282, 30912..31172, 30947..31261		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o1.tw	Method	TBLASTX:Wheat
Start	31022	End	31439
GI	none	Score	110
Exons	31022..31438, 31023..31172, 31025..31429, 31272..31439		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o1.tm	Method	TBLASTX:Maize
Start	31310	End	31667
GI	none	Score	237
Exons	31310..31666, 31311..31667		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508

Name	OJ000208_15.0313.C15.o2.tw	Method	TBLASTX:Wheat
Start	31440	End	31771
GI	none	Score	225
Exons	31440..31769, 31442..31771, 31442..31771		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o5.tw	Method	TBLASTX:Wheat
Start	32000	End	32359
GI	none	Score	107
Exons	32000..32221, 32001..32222, 32228..32359		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o7.gs	Method	GENSCAN
Start	32108	End	36508
GI	none	Score	.72
Exons	32108..32689, 32744..32833, 32884..33138, 33401..33483, 33592..33802, 33937..34206, 34241..34377, 34529..34756, 35190..35327, 35973..36136, 36314..36508		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o7.tw	Method	TBLASTX:Wheat
Start	33200	End	33574
GI	none	Score	192
Exons	33200..33574		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o7.tm	Method	TBLASTX:Maize
Start	33287	End	33556
GI	none	Score	188
Exons	33287..33556		

Seq. No.	39449	Seq. ID	OJ000208_15.0313.C16
Gene No.	81463	Strand	-
Start	3176	End	6056
Name	OJ000208_15.0313.C16.o1.np	Method	AAT/NAP
Start	3176	End	6056
GI	6539570	Score	136
Exons	3176..3210, 4726..4888, 5034..5293, 5626..5712, 5847..6056		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39450	Seq. ID	OJ000208_15.0313.C17
Gene No.	81464	Strand	+
Start	196	End	2369
Name	OJ000208_15.0313.C17.o1.gs	Method	GENSCAN
Start	196	End	2369
GI	none	Score	.64
Exons	196..1485, 1518..2369		

Seq. No.	39450	Seq. ID	OJ000208_15.0313.C17

Gene No.	81465	Strand	-
Start	2778	End	3331
Name	OJ000208_15.0313.C17.o1.tm	Method	TBLASTX:Maize
Start	510	End	852
GI	none	Score	65
Exons	510..611, 513..593, 514..597, 697..852, 706..840, 708..851		

Seq. No.	39450	Seq. ID	OJ000208_15.0313.C17
Gene No.	81465	Strand	-
Start	2778	End	3331
Name	OJ000208_15.0313.C17.o2.tm	Method	TBLASTX:Maize
Start	1432	End	1889
GI	none	Score	87
Exons	1432..1503, 1620..1889, 1679..1888		

Seq. No.	39450	Seq. ID	OJ000208_15.0313.C17
Gene No.	81465	Strand	-
Start	2778	End	3331
Name	OJ000208_15.0313.C17.o2.gs	Method	GENSCAN
Start	2778	End	3331
GI	none	Score	.49
Exons	2778..2981, 3196..3331		

Seq. No.	39451	Seq. ID	OJ000208_15.0313.C19
Gene No.	81466	Strand	+
Start	104	End	301
Name	OJ000208_15.0313.C19.o1.gs	Method	GENSCAN
Start	104	End	301
GI	none	Score	.95
Exons	104..301		

Seq. No.	39451	Seq. ID	OJ000208_15.0313.C19
Gene No.	81467	Strand	+
Start	536	End	1844
Name	OJ000208_15.0313.C19.o1.np	Method	AAT/NAP
Start	536	End	1844
GI	5777617	Score	77
Exons	536..566, 1747..1844		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39451	Seq. ID	OJ000208_15.0313.C19
Gene No.	81468	Strand	+
Start	2124	End	2651
Name	OJ000208_15.0313.C19.o1.gp	Method	AAT/GAP
Start	2124	End	2504
GI	2442584	Score	434
Exons	2124..2342, 2442..2504		

Seq. No.	39451	Seq. ID	OJ000208_15.0313.C19
Gene No.	81468	Strand	+
Start	2124	End	2651
Name	OJ000208_15.0313.C19.o2.gp	Method	AAT/GAP
Start	2270	End	2651
GI	2442584	Score	299
Exons	2270..2342, 2442..2478, 2576..2651		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20

Gene No.	81469	Strand	+
Start	686	End	2071
Name	OJ000208_15.0313.C20.o1.gs	Method	GENSCAN
Start	686	End	2071
GI	none	Score	.97
Exons	686..1160, 1443..1500, 1651..2071		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81470	Strand	+
Start	3753	End	3847
Name	OJ000208_15.0313.C20.o1.gp	Method	AAT/GAP
Start	3753	End	3847
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	3753..3847		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81471	Strand	+
Start	4370	End	7588
Name	OJ000208_15.0313.C20.o2.np	Method	AAT/NAP
Start	4370	End	7588
GI	4680501	Score	269
Exons	4370..4469, 5721..6681, 7451..7588		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81472	Strand	+
Start	8167	End	8689
Name	OJ000208_15.0313.C20.o4.gs	Method	GENSCAN
Start	8167	End	8689
GI	none	Score	.4
Exons	8167..8274, 8528..8689		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81473	Strand	-
Start	1899	End	6421
Name	OJ000208_15.0313.C20.o2.tm	Method	TBLASTX:Maize
Start	1590	End	6421
GI	none	Score	108
Exons	1590..1661, 1591..1662, 1594..1665, 1673..1777, 1673..1768, 6284..6421		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81473	Strand	-
Start	1899	End	6421
Name	OJ000208_15.0313.C20.o1.np	Method	AAT/NAP
Start	1899	End	6234
GI	4539658	Score	249
Exons	1899..2055, 4493..4671, 4713..4839, 6166..6234		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81473	Strand	-
Start	1899	End	6421

Name	OJ000208_15.0313.C20.o2.gs	Method	GENSCAN
Start	3902	End	4625
GI	none	Score	.76
Exons	3902..4096, 4623..4625		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81473	Strand	-
Start	1899	End	6421
Name	OJ000208_15.0313.C20.o1.tm	Method	TBLASTX:Maize
Start	4180	End	4937
GI	none	Score	96
Exons	4180..4305, 4180..4308, 4184..4321, 4301..4324, 4334..4438, 4347..4451, 4693..4809, 4694..4819, 4694..4822, 4698..4835, 4807..4923, 4808..4936, 4815..4937, 4815..4937		

Seq. No.	39453	Seq. ID	OJ000208_15.0313.C21
Gene No.	81474	Strand	+
Start	1319	End	2109
Name	OJ000208_15.0313.C21.o2.gs	Method	GENSCAN
Start	1319	End	2109
GI	none	Score	.84
Exons	1319..1357, 2044..2109		

Seq. No.	39453	Seq. ID	OJ000208_15.0313.C21
Gene No.	81475	Strand	-
Start	14	End	307
Name	OJ000208_15.0313.C21.o1.gs	Method	GENSCAN
Start	14	End	307
GI	none	Score	.99
Exons	14..307		

Seq. No.	39454	Seq. ID	OJ000208_15.0313.C22
Gene No.	81476	Strand	+
Start	1678	End	3445
Name	OJ000208_15.0313.C22.o1.gp	Method	AAT/GAP
Start	1678	End	2265
GI	3061174	Score	856
Exons	1678..1836, 1962..2265		

Seq. No.	39454	Seq. ID	OJ000208_15.0313.C22
Gene No.	81476	Strand	+
Start	1678	End	3445
Name	OJ000208_15.0313.C22.o1.gs	Method	GENSCAN
Start	2010	End	3445
GI	none	Score	.48
Exons	2010..2526, 2950..3445		

Seq. No.	39455	Seq. ID	OJ000118_16.0317.C1
Gene No.	81477	Strand	-
Start	1	End	2262
Name	OJ000118_16.0317.C1.o1.np	Method	AAT/NAP
Start	1	End	2262
GI	7228442	Score	1389
Exons	1..1849, 1931..2262		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39455	Seq. ID	OJ000118_16.0317.C1
Gene No.	81477	Strand	-
Start	1	End	2262
Name	OJ000118_16.0317.C1.o1.tw	Method	TBLASTX:Wheat
Start	507	End	894
GI	none	Score	71
Exons	507..704, 584..670, 603..692, 649..696, 717..893, 744..893, 745..894		

Seq. No.	39455	Seq. ID	OJ000118_16.0317.C1
Gene No.	81477	Strand	-
Start	1	End	2262
Name	OJ000118_16.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	603	End	1185
GI	none	Score	44
Exons	603..683, 655..681, 723..1031, 727..1032, 1032..1184, 1063..1185		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	3976
GI	5852171	Score	1710
Exons	1..24, 1843..3976		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o2.np	Method	AAT/NAP
Start	926	End	3858
GI	7486968	Score	384
Exons	926..957, 2003..2264, 2414..2656, 2810..3474, 3637..3858		
GI Descrip.	hypothetical protein T13K14.100 - Arabidopsis thaliana gi|5262784|emb|CAB45889.1| (AL080282) putative protein [Arabidopsis thaliana] gi|7268891|emb|CAB79094.1| (AL161554) putative protein [Arabidopsis thaliana]		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.gp	Method	AAT/GAP
Start	1790	End	2400
GI	2801240	Score	1105
Exons	1790..2400		
GI Descrip.	5852171/emb|CAB55409.1| 8.0e-48 (AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.gs	Method	GENSCAN
Start	1791	End	3866
GI	none	Score	.95
Exons	1791..3866		

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Seq. No.      39456                         Seq. ID   OJ000118_16.0317.C2
Gene No.      81478                         Strand    -
Start         1                             End       3976
Name          OJ000118_16.0317.C2.o1.tm     Method    TBLASTX:Maize
Start         1908                          End       3215
GI            none                          Score     48
Exons         1908..2264, 2010..2264, 2074..2169, 2154..2264, 2598..2858,
              2739..2924, 2739..2921, 2808..2921, 3105..3215

Seq. No.      39456                         Seq. ID   OJ000118_16.0317.C2
Gene No.      81478                         Strand    -
Start         1                             End       3976
Name          OJ000118_16.0317.C2.o1.tc     Method    TBLASTX:Cress
Start         1953                          End       3854
GI            none                          Score     88
Exons         1953..2264, 2004..2264, 2004..2201, 2148..2273, 2436..2564,
              2598..2681, 2598..2675, 2718..2924, 2739..2921, 2739..2921,
              2742..2831, 3096..3215, 3105..3224, 3108..3311, 3390..3449,
              3398..3430, 3639..3680, 3696..3830, 3699..3854

Seq. No.      39456                         Seq. ID   OJ000118_16.0317.C2
Gene No.      81478                         Strand    -
Start         1                             End       3976
Name          OJ000118_16.0317.C2.o1.ts     Method    TBLASTX:Soybean
Start         1959                          End       3842
GI            none                          Score     105
Exons         1959..2264, 1963..2265, 2154..2273, 2433..2564, 2721..2924,
              2814..2924, 3105..3227, 3105..3215, 3384..3446, 3711..3842

Seq. No.      39456                         Seq. ID   OJ000118_16.0317.C2
Gene No.      81478                         Strand    -
Start         1                             End       3976
Name          OJ000118_16.0317.C2.o1.tw     Method    TBLASTX:Wheat
Start         1959                          End       3227
GI            none                          Score     82
Exons         1959..2282, 2011..2268, 2721..2921, 2814..2921, 2979..3077,
              3096..3224, 3105..3227

Seq. No.      39457                         Seq. ID   OJ000118_16.0317.C3
Gene No.      81479                         Strand    -
Start         1                             End       2080
Name          OJ000118_16.0317.C3.o1.np     Method    AAT/NAP
Start         1                             End       2080
GI            5852171                       Score     190
Exons         1..24, 1855..2080
GI Descrip.   (AL117265) zhb0001.1 [Oryza sativa]

Seq. No.      39458                         Seq. ID   OJ000118_16.0317.C4
Gene No.      81480                         Strand    +
Start         54                            End       4752
Name          OJ000118_16.0317.C4.o1.gs     Method    GENSCAN
Start         54                            End       2234
GI            none                          Score     .96
Exons         54..2234

Seq. No.      39458                         Seq. ID   OJ000118_16.0317.C4
Gene No.      81480                         Strand    +
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Start	54	End	4752
Name	OJ000118_16.0317.C4.o1.np	Method	AAT/NAP
Start	54	End	4752
GI	6016874	Score	2204
Exons	54..132, 216..353, 418..650, 1041..1200, 1594..1773, 1891..2230, 2707..2981, 4576..4613, 4701..4752		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81480	Strand	+
Start	54	End	4752
Name	OJ000118_16.0317.C4.o1.gp	Method	AAT/GAP
Start	743	End	1251
GI	uC-osflcyp110c07b1	Score	966
Exons	743..1251		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o3.gs	Method	GENSCAN
Start	8384	End	14481
GI	none	Score	.54
Exons	8384..8944, 9048..9132, 10110..10282, 10422..10637, 10976..11070, 12243..12464, 12540..13533, 14239..14481		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o3.np	Method	AAT/NAP
Start	10937	End	14478
GI	6730733	Score	2000
Exons	10937..11070, 12243..12464, 12540..12744, 12772..13533, 14239..14478		
GI Descrip.	(AC018849) putative glycerol kinase [Arabidopsis thaliana]		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o2.gp	Method	AAT/GAP
Start	12581	End	13024
GI	LIB3433-023-P1-K1-H3	Score	812
Exons	12581..13024		
GI Descrip.	'5852172/emb|CAB55410.1| 2.0e-74 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o3.gp	Method	AAT/GAP
Start	13123	End	13544
GI	427852	Score	782
Exons	13123..13544		

GI Descrip.	5852172/emb|CAB55410.1| 2.0e-74 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o4.gp	Method	AAT/GAP
Start	14264	End	14716
GI	10742_1.R1084	Score	833
Exons	14264..14716		
GI Descrip.	'5852172/emb|CAB55410.1| 1.0e-10 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o2.np	Method	AAT/NAP
Start	11	End	9146
GI	5852171	Score	5122
Exons	11..64, 2766..2990, 3120..3185, 3893..5706, 5982..6092, 6317..6468, 6552..6888, 7426..7475, 8415..8607, 8661..8748, 8787..9146		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o4.tm	Method	TBLASTX:Maize
Start	402	End	848
GI	none	Score	69
Exons	402..488, 473..682, 474..722, 759..815, 810..848		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o6.tm	Method	TBLASTX:Maize
Start	942	End	1256
GI	none	Score	65
Exons	942..1016, 1029..1256, 1037..1255		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o7.tm	Method	TBLASTX:Maize
Start	1461	End	1813
GI	none	Score	235
Exons	1461..1742, 1472..1813		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o5.tm	Method	TBLASTX:Maize
Start	1925	End	2168
GI	none	Score	276
Exons	1925..2083, 1935..2168		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4

Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o3.ts	Method	TBLASTX:Soybean
Start	3974	End	5893
GI	none	Score	74
Exons	3974..4366, 4023..4226, 4064..4321, 4067..4315, 4067..4249, 4067..4258, 4070..4345, 4070..4339, 4142..4366, 4148..4258, 4484..4636, 4502..4639, 4775..4885, 4778..4861, 4781..4975, 4781..4963, 4781..4951, 4781..4828, 4782..5000, 4784..4975, 4856..4972, 5135..5260, 5138..5272, 5141..5257, 5147..5260, 5414..5506, 5738..5893, 5744..5884, 5744..5884, 5747..5872		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o3.tc	Method	TBLASTX:Cress
Start	4010	End	6760
GI	none	Score	70
Exons	4010..4132, 4019..4258, 4061..4321, 4061..4321, 4061..4261, 4064..4321, 4067..4330, 4067..4189, 4067..4321, 4067..4321, 4067..4258, 4070..4330, 4076..4321, 4145..4288, 4211..4318, 4265..4321, 4481..4702, 4481..4630, 4487..4621, 4646..4711, 4646..4711, 4650..4742, 4778..4963, 4781..4957, 4781..4972, 4781..5008, 4781..4963, 4781..4975, 4781..4903, 4781..4963, 4781..4972, 4781..4984, 4781..4978, 4784..4972, 4784..4957, 4988..5113, 4988..5113, 4991..5119, 5129..5257, 5135..5260, 5138..5257, 5138..5248, 5141..5263, 5141..5260, 5669..5719, 5699..5872, 5741..5866, 5744..5896, 5744..5854, 5744..5884, 5993..6031, 6318..6455, 6650..6760		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o1.tw	Method	TBLASTX:Wheat
Start	4013	End	6611
GI	none	Score	39
Exons	4013..4333, 4778..4963, 4781..4972, 5138..5260, 6324..6443, 6531..6611		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o8.tm	Method	TBLASTX:Maize
Start	4022	End	6446
GI	none	Score	98
Exons	4022..4321, 4061..4315, 4205..4330, 4487..4624, 4781..5002, 4781..4972, 4781..4957, 4853..4972, 6324..6446		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	10945	End	12620
GI	none	Score	128
Exons	10945..11076, 10946..11071, 12244..12465, 12244..12465, 12245..12466, 12320..12466, 12518..12598, 12518..12598, 12534..12620, 12538..12615		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	10946	End	13218
GI	none	Score	164
Exons	10946..11071, 10963..11076, 12243..12464, 12243..12464, 12244..12465, 12305..12466, 12534..12719, 12538..12744, 12538..12738, 12756..13145, 12772..13218, 12778..13059, 12780..13202		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o4.ts	Method	TBLASTX:Soybean
Start	12621	End	12828
GI	none	Score	79
Exons	12621..12722, 12621..12716, 12622..12744, 12771..12827, 12772..12828		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	12913	End	13203
GI	none	Score	464
Exons	12913..13203, 12913..13191, 12915..13202		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	13020	End	14481
GI	none	Score	626
Exons	13020..13475, 13021..13464, 13444..13533, 13473..13529, 13494..13535, 14113..14157, 14217..14288, 14233..14352, 14237..14359, 14368..14481, 14370..14477		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	13203	End	13419
GI	none	Score	340
Exons	13203..13418, 13204..13419		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o2.tc	Method	TBLASTX:Cress
Start	13346	End	14484
GI	none	Score	252
Exons	13346..13432, 13348..13545, 13350..13529, 13475..13534, 14229..14288, 14233..14352, 14353..14484, 14355..14483		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4

Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	13419	End	14481
GI	none	Score	191
Exons	13419..13532, 13420..13545, 13420..13533, 13421..13534, 14229..14477, 14230..14481, 14233..14481		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81484	Strand	+
Start	20768	End	23236
Name	OJ000118_16.0317.C9.o3.np	Method	AAT/NAP
Start	20768	End	23236
GI	5922623	Score	218
Exons	20768..20852, 21230..21384, 21552..21627, 23211..23236		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81485	Strand	-
Start	1	End	8241
Name	OJ000118_16.0317.C9.o1.np	Method	AAT/NAP
Start	1	End	3197
GI	7486157	Score	550
Exons	1..270, 1602..2165, 2212..2855, 3057..3197		
GI Descrip.	hypothetical protein F26B6.1 - Arabidopsis thaliana gi|3242728|gb|AAC23780.1| (AC003040) unknown protein [Arabidopsis thaliana]		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81485	Strand	-
Start	1	End	8241
Name	OJ000118_16.0317.C9.o1.gs	Method	GENSCAN
Start	882	End	8241
GI	none	Score	.51
Exons	882..2845, 3026..3158, 4946..5028, 5195..5339, 5700..5780, 6110..6243, 6540..6814, 7253..7367, 8012..8152, 8157..8241		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81486	Strand	-
Start	11331	End	15010
Name	OJ000118_16.0317.C9.o1.gp	Method	AAT/GAP
Start	10942	End	11357
GI	702296	Score	622
Exons	10942..11357		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81486	Strand	-
Start	11331	End	15010
Name	OJ000118_16.0317.C9.o2.gs	Method	GENSCAN
Start	11331	End	15010
GI	none	Score	.91
Exons	11331..11612, 11907..12109, 12206..12297, 12444..12733, 12850..12937, 13056..13086, 13244..13269, 13574..14041, 14149..14192, 14772..14791, 14977..15010		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81486	Strand	-
Start	11331	End	15010
Name	OJ000118_16.0317.C9.o2.np	Method	AAT/NAP
Start	11334	End	13662
GI	5081555	Score	683
Exons	11334..11528, 11724..12106, 12206..12297, 12444..12488, 12588..12733, 12850..12937, 13056..13086, 13244..13269, 13574..13662		
GI Descrip.	(AF132001) PHAP2A protein [Petunia x hybrida]		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81486	Strand	-
Start	11331	End	15010
Name	OJ000118_16.0317.C9.o2.gp	Method	AAT/GAP
Start	11451	End	12735
GI	25592_1.R1084	Score	1350
Exons	11451..11612, 11728..11811, 11907..12109, 12206..12297, 12444..12488, 12588..12735		
GI Descrip.	'5081555/gb|AAD39439.1|AF132001_1 4.0e-27 (AF132001) PHAP2A protein [Petunia x hybrida]'		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o4.tm	Method	TBLASTX:Maize
Start	753	End	1352
GI	none	Score	39
Exons	753..800, 754..801, 885..941, 886..954, 999..1067, 1000..1083, 1205..1345, 1209..1352, 1210..1335		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o3.ts	Method	TBLASTX:Soybean
Start	1275	End	1649
GI	none	Score	99
Exons	1275..1490, 1276..1497, 1569..1649		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	1795	End	2531
GI	none	Score	179
Exons	1795..1938, 1795..1878, 1799..1939, 1930..2178, 1938..2177, 1942..2529, 1944..2531, 2241..2531		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o2.ts	Method	TBLASTX:Soybean
Start	2223	End	2537
GI	none	Score	99
Exons	2223..2459, 2241..2537, 2242..2508		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9

Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o2.tc	Method	TBLASTX:Cress
Start	2229	End	2468
GI	none	Score	208
Exons	2229..2468, 2242..2463		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o3.tm	Method	TBLASTX:Maize
Start	2769	End	5067
GI	none	Score	82
Exons	2769..2852, 2770..2844, 3027..3164, 3028..3159, 3280..3342, 4982..5017, 5038..5067		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	12033	End	13087
GI	none	Score	91
Exons	12033..12104, 12217..12300, 12219..12299, 12443..12490, 12444..12488, 12444..12491, 12575..12736, 12582..12737, 12585..12737, 12601..12738, 12839..12931, 12844..12975, 12847..12939, 12856..12939, 13061..13087		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	12217	End	13663
GI	none	Score	85
Exons	12217..12300, 12219..12299, 12443..12490, 12444..12488, 12575..12736, 12582..12737, 12844..12933, 12847..12939, 12856..12939, 13055..13093, 13573..13617, 13583..13663		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o2.tm	Method	TBLASTX:Maize
Start	12434	End	12988
GI	none	Score	66
Exons	12434..12487, 12439..12486, 12443..12490, 12445..12489, 12575..12736, 12581..12736, 12582..12737, 12586..12738, 12844..12951, 12847..12945, 12851..12988, 12851..12979		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o3.gp	Method	AAT/GAP
Start	17894	End	17980
GI	LIB3477-003-P1-K1-E9	Score	109
Exons	17894..17980		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39460	Seq. ID	OJ000118_16.0317.C10
Gene No.	81488	Strand	+
Start	270	End	400
Name	OJ000118_16.0317.C10.o1.gs	Method	GENSCAN
Start	270	End	400
GI	none	Score	.42
Exons	270..400		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81489	Strand	+
Start	14244	End	17544
Name	OJ000118_16.0317.C11.o1.np	Method	AAT/NAP
Start	14244	End	17541
GI	5803259	Score	4970
Exons	14244..15505, 15601..15832, 15875..17541		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81489	Strand	+
Start	14244	End	17544
Name	OJ000118_16.0317.C11.o2.gs	Method	GENSCAN
Start	14244	End	17544
GI	none	Score	.76
Exons	14244..15505, 15601..17398, 17431..17544		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o3.gs	Method	GENSCAN
Start	18170	End	21056
GI	none	Score	.65
Exons	18170..20782, 20851..21056		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o2.np	Method	AAT/NAP
Start	18173	End	21245
GI	7228457	Score	4682
Exons	18173..19723, 19790..20955, 21041..21245		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o4.tw	Method	TBLASTX:Wheat
Start	18182	End	18761
GI	none	Score	81
Exons	18182..18307, 18186..18308, 18474..18644, 18500..18760, 18501..18644, 18681..18758, 18693..18761		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245

Name	OJ000118_16.0317.C11.o1.tw	Method	TBLASTX:Wheat
Start	18765	End	19166
GI	none	Score	171
Exons	18765..19064, 18785..19165, 18824..19069, 19110..19166		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	18980	End	19303
GI	none	Score	204
Exons	18980..19303, 18993..19274		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o5.tw	Method	TBLASTX:Wheat
Start	19496	End	19808
GI	none	Score	60
Exons	19496..19756, 19710..19808		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o2.ts	Method	TBLASTX:Soybean
Start	19556	End	20122
GI	5666795	Score	68
Exons	19556..19756, 19811..19948, 20024..20122		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o3.tw	Method	TBLASTX:Wheat
Start	19811	End	20245
GI	none	Score	88
Exons	19811..19960, 19812..19949, 19994..20245, 20004..20180, 20021..20245		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o1.ts	Method	TBLASTX:Soybean
Start	20869	End	21202
GI	none	Score	85
Exons	20869..21051, 21041..21202, 21042..21185		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o2.tw	Method	TBLASTX:Wheat
Start	20899	End	21238
GI	none	Score	82
Exons	20899..21054, 20906..21046, 21027..21227, 21047..21238		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-

Start	18170	End	21245
Name	OJ000118_16.0317.C11.o2.tm	Method	TBLASTX:Maize
Start	20992	End	21244
GI	none	Score	174
Exons	20992..21057, 21027..21227, 21056..21244		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81491	Strand	+
Start	3115	End	3692
Name	OJ000118_16.0317.C12.o2.np	Method	AAT/NAP
Start	3115	End	3692
GI	5922623	Score	125
Exons	3115..3195, 3574..3692		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o1.np	Method	AAT/NAP
Start	1	End	3037
GI	7228457	Score	4656
Exons	1..609, 673..2604, 2666..3037		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o1.tm	Method	TBLASTX:Maize
Start	115	End	471
GI	none	Score	121
Exons	115..420, 115..471, 125..436		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o1.tw	Method	TBLASTX:Wheat
Start	139	End	601
GI	none	Score	223
Exons	139..600, 145..600, 146..601		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o1.ts	Method	TBLASTX:Soybean
Start	196	End	561
GI	none	Score	117
Exons	196..330, 337..561		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o2.gs	Method	GENSCAN
Start	610	End	3643

GI	none	Score	.8
Exons	610..1955, 2031..2085, 2228..3055, 3112..3216, 3557..3643		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o2.tw	Method	TBLASTX:Wheat
Start	793	End	1252
GI	none	Score	75
Exons	793..987, 793..1251, 797..1057, 1115..1252		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o3.tw	Method	TBLASTX:Wheat
Start	1991	End	2383
GI	none	Score	94
Exons	1991..2248, 2025..2264, 2231..2329, 2232..2324, 2336..2383		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o2.tm	Method	TBLASTX:Maize
Start	2093	End	2378
GI	none	Score	91
Exons	2093..2341, 2094..2378		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81493	Strand	+
Start	1	End	2060
Name	OJ000118_16.0317.C13.o1.np	Method	AAT/NAP
Start	1	End	2060
GI	5091503	Score	401
Exons	1..68, 1441..1506, 1538..1922, 2002..2060		
GI Descrip.	(AB023482) EST AU055776(S20048) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana AP2 domain containing protein RAP2.10 mRNA, partial cds.(AF003103) [Oryza sativa]		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81493	Strand	+
Start	1	End	2060
Name	OJ000118_16.0317.C13.o1.gp	Method	AAT/GAP
Start	1240	End	1567
GI	702723	Score	620
Exons	1240..1567		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o1.ts	Method	TBLASTX:Soybean
Start	1520	End	1880
GI	none	Score	290
Exons	1520..1630, 1545..1718, 1682..1714, 1784..1855, 1785..1880		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-

Start	3003	End	6378
Name	OJ000118_16.0317.C13.o1.tw	Method	TBLASTX:Wheat
Start	1541	End	1715
GI	none	Score	179
Exons	1541..1714, 1545..1715		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o1.tc	Method	TBLASTX:Cress
Start	1544	End	1850
GI	none	Score	286
Exons	1544..1714, 1545..1718, 1781..1849, 1782..1850		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o2.tm	Method	TBLASTX:Maize
Start	1629	End	2086
GI	none	Score	153
Exons	1629..1724, 1676..1780, 1682..1729, 1781..1873, 1782..1874, 1986..2042, 1998..2075, 2000..2056, 2015..2086		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o2.gs	Method	GENSCAN
Start	3003	End	6375
GI	none	Score	.71
Exons	3003..3136, 3191..3254, 4292..4549, 5581..5724, 5798..5875, 6325..6375		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o2.gp	Method	AAT/GAP
Start	4715	End	6375
GI	43821_1.R1084	Score	1193
Exons	4715..5098, 5581..5724, 5798..5875, 6325..6375		
GI Descrip.	'3413712 1.0e-47 (AC004747) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o1.tm	Method	TBLASTX:Maize
Start	4737	End	6378
GI	none	Score	63
Exons	4737..4763, 4763..4801, 4766..4801, 4885..5103, 4943..5101, 5579..5725, 5579..5725, 5580..5732, 5581..5730, 5796..5882, 5797..5883, 5798..5881, 6289..6378, 6325..6378		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o2.np	Method	AAT/NAP
Start	4970	End	6375

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GI            7486285                       Score     353
Exons         4970..5098, 5581..5724, 5798..5896, 6325..6375
GI Descrip.   hypothetical protein F28A23.200 - Arabidopsis thaliana
              gi|2911058|emb|CAA17568.1| (AL021961) putative protein
              [Arabidopsis thaliana] gi|7270353|emb|CAB80121.1| (AL161584)
              putative protein [Arabidopsis thaliana]

Seq. No.      39463                         Seq. ID   OJ000118_16.0317.C13
Gene No.      81494                         Strand    -
Start         3003                          End       6378
Name          OJ000118_16.0317.C13.o2.ts    Method    TBLASTX:Soybean
Start         4982                          End       5902
GI            none                          Score     69
Exons         4982..5101, 4996..5100, 5581..5670, 5629..5730, 5633..5725,
              5670..5732, 5785..5850, 5796..5864, 5796..5867, 5798..5872,
              5798..5902

Seq. No.      39463                         Seq. ID   OJ000118_16.0317.C13
Gene No.      81494                         Strand    -
Start         3003                          End       6378
Name          OJ000118_16.0317.C13.o2.tc    Method    TBLASTX:Cress
Start         5051                          End       5890
GI            none                          Score     73
Exons         5051..5101, 5581..5607, 5629..5730, 5639..5725, 5798..5848,
              5798..5890

Seq. No.      39464                         Seq. ID   OJ000118_16.0317.C14
Gene No.      81495                         Strand    +
Start         2520                          End       2658
Name          OJ000118_16.0317.C14.o1.gp    Method    AAT/GAP
Start         2520                          End       2658
GI            LIB3474-009-P1-K1-F11         Score     230
Exons         2520..2658
GI Descrip.   '4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein
              [Arabidopsis thaliana]'

Seq. No.      39464                         Seq. ID   OJ000118_16.0317.C14
Gene No.      81496                         Strand    -
Start         25                            End       415
Name          OJ000118_16.0317.C14.o1.gs    Method    GENSCAN
Start         25                            End       415
GI            none                          Score     .41
Exons         25..415

Seq. No.      39464                         Seq. ID   OJ000118_16.0317.C14
Gene No.      81497                         Strand    -
Start         8157                          End       18550
Name          OJ000118_16.0317.C14.o1.tm    Method    TBLASTX:Maize
Start         3                             End       418
GI            none                          Score     58
Exons         3..59, 46..189, 52..132, 114..416, 123..416, 125..418

Seq. No.      39464                         Seq. ID   OJ000118_16.0317.C14
Gene No.      81497                         Strand    -
Start         8157                          End       18550
Name          OJ000118_16.0317.C14.o3.gs    Method    GENSCAN
Start         8157                          End       18550
```

GI	none	Score	.87
Exons	8157..8592, 8695..8797, 9570..9696, 10032..10113, 10213..10334, 10709..10804, 11455..11676, 11841..11939, 12575..12689, 13482..13571, 14561..14736, 15693..15802, 15873..16041, 16638..16735, 16881..17108, 17865..18550		

Seq. No.	39464	Seq. ID	OJ000118_16.0317.C14
Gene No.	81497	Strand	-
Start	8157	End	18550
Name	OJ000118_16.0317.C14.o1.np	Method	AAT/NAP
Start	12304	End	18288
GI	4567209	Score	605
Exons	12304..12489, 12575..12689, 13725..13843, 13915..13981, 14561..14729, 15686..15787, 15873..16041, 16120..16179, 16865..17046, 17940..18288		
GI Descrip.	(AC007168) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39465	Seq. ID	OJ000118_16.0317.C15
Gene No.	81498	Strand	+
Start	106	End	361
Name	OJ000118_16.0317.C15.o1.gs	Method	GENSCAN
Start	106	End	361
GI	none	Score	.62
Exons	106..276, 350..361		

Seq. No.	39465	Seq. ID	OJ000118_16.0317.C15
Gene No.	81499	Strand	-
Start	1012	End	1541
Name	OJ000118_16.0317.C15.o2.gs	Method	GENSCAN
Start	1012	End	1541
GI	none	Score	.77
Exons	1012..1196, 1202..1400, 1429..1541		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81500	Strand	+
Start	4439	End	9296
Name	OJ000118_16.0317.C16.o2.gs	Method	GENSCAN
Start	4439	End	9296
GI	none	Score	.91
Exons	4439..4798, 4883..4998, 5081..5212, 7866..8115, 8208..8261, 8385..8528, 8620..8684, 8999..9053, 9135..9296		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81500	Strand	+
Start	4439	End	9296
Name	OJ000118_16.0317.C16.o1.gp	Method	AAT/GAP
Start	6256	End	8039
GI	2427855	Score	671
Exons	6256..6356, 7640..7746, 7866..8039		
GI Descrip.	3413712 1.0e-47 (AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81501	Strand	+
Start	15208	End	16058
Name	OJ000118_16.0317.C16.o2.np	Method	AAT/NAP
Start	14997	End	16016

GI	7340909	Score	150
Exons	14997..15248, 15278..15370, 15865..16016		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81501	Strand	+
Start	15208	End	16058
Name	OJ000118_16.0317.C16.o4.gs	Method	GENSCAN
Start	15208	End	16058
GI	none	Score	.62
Exons	15208..15542, 15631..15803, 15910..16058		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81501	Strand	+
Start	15208	End	16058
Name	OJ000118_16.0317.C16.o3.np	Method	AAT/NAP
Start	15335	End	15937
GI	5091528	Score	119
Exons	15335..15379, 15542..15937		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81502	Strand	-
Start	1432	End	3390
Name	OJ000118_16.0317.C16.o1.gs	Method	GENSCAN
Start	1432	End	3390
GI	none	Score	.85
Exons	1432..2109, 2199..2287, 2964..3115, 3329..3390		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81503	Strand	-
Start	4660	End	16305
Name	OJ000118_16.0317.C16.o1.np	Method	AAT/NAP
Start	4660	End	16305
GI	5852171	Score	1975
Exons	4660..4774, 9634..11446, 11722..11849, 12467..12597, 12685..13004, 16201..16305		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81503	Strand	-
Start	4660	End	16305
Name	OJ000118_16.0317.C16.o3.gs	Method	GENSCAN
Start	9541	End	13872
GI	none	Score	.47
Exons	9541..11624, 11723..11849, 12452..12597, 12685..12880, 13334..13366, 13789..13872		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o2.ts	Method	TBLASTX:Soybean
Start	5371	End	7995
GI	none	Score	63
Exons	5371..5412, 6257..6358, 6258..6359, 7640..7750, 7644..7742, 7660..7749, 7664..7726, 7835..7993, 7840..7995, 7863..7994, 7891..7995		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o1.tm	Method	TBLASTX:Maize
Start	6191	End	7969
GI	none	Score	119
Exons	6191..6358, 6255..6359, 6256..6378, 6257..6358, 7594..7749, 7633..7740, 7640..7750, 7840..7968, 7844..7969		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o3.tm	Method	TBLASTX:Maize
Start	8020	End	8511
GI	none	Score	142
Exons	8020..8121, 8022..8114, 8026..8115, 8207..8260, 8208..8267, 8208..8261, 8377..8511, 8391..8510		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o4.tm	Method	TBLASTX:Maize
Start	8619	End	9305
GI	none	Score	94
Exons	8619..8684, 8620..8685, 8997..9056, 8997..9056, 9107..9184, 9132..9185, 9133..9192, 9134..9193, 9188..9244, 9196..9294, 9201..9305, 9212..9298		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o1.tc	Method	TBLASTX:Cress
Start	9691	End	12961
GI	none	Score	65
Exons	9691..9849, 9727..9915, 9727..10032, 9733..10038, 9778..10065, 9781..10047, 9781..10038, 9784..10047, 9784..9978, 9784..10047, 9784..9975, 9787..10047, 9928..10035, 9982..10038, 10159..10353, 10210..10458, 10216..10347, 10219..10344, 10385..10612, 10561..10710, 10561..10707, 10561..10692, 10561..10710, 10591..10719, 10867..10989, 10870..11001, 10879..10998, 10879..10989, 10879..10998, 10879..11001, 10882..11013, 10882..11001, 11017..11136, 11017..11133, 11119..11247, 11470..11616, 11473..11607, 11485..11616, 11485..11595, 11796..11930, 11808..11933, 12144..12275, 12150..12257, 12153..12272, 12153..12263, 12794..12961		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o1.tw	Method	TBLASTX:Wheat
Start	9709	End	12263
GI	none	Score	66
Exons	9709..9975, 9730..10050, 10591..10719, 10879..11001, 11808..11918, 12150..12263		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16

Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o2.tm	Method	TBLASTX:Maize
Start	9727	End	12742
GI	none	Score	74
Exons	9727..10035, 9784..9981, 9856..10050, 9922..10050, 10216..10338, 10234..10353, 10235..10330, 10561..10740, 11413..11445, 11485..11604, 11808..11939, 11808..11903, 12150..12260, 12464..12589, 12704..12742		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o1.ts	Method	TBLASTX:Soybean
Start	9736	End	12263
GI	none	Score	78
Exons	9736..10059, 9775..10056, 9778..10038, 9778..10032, 9784..10032, 9784..9975, 10216..10344, 10225..10356, 10231..10281, 10306..10377, 10372..10458, 10561..10686, 10591..10707, 10870..10989, 10879..11007, 10882..10998, 11029..11130, 11368..11607, 11464..11616, 11479..11613, 11479..11607, 11485..11616, 11772..11897, 11802..11930, 11811..12002, 12153..12263, 12153..12260		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o4.np	Method	AAT/NAP
Start	16865	End	20123
GI	7228438	Score	525
Exons	16865..16917, 18899..19129, 19228..19534, 19627..20123		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o5.gs	Method	GENSCAN
Start	17163	End	19770
GI	none	Score	.7
Exons	17163..17221, 17823..17990, 18088..18207, 18244..18324, 18390..18621, 18876..19143, 19236..19534, 19627..19770		

Seq. No.	39467	Seq. ID	OJ000118_18.0322.C1
Gene No.	81505	Strand	-
Start	425	End	1381
Name	OJ000118_18.0322.C1.o1.gs	Method	GENSCAN
Start	425	End	1381
GI	none	Score	.56
Exons	425..456, 1318..1381		

Seq. No.	39468	Seq. ID	OJ000118_18.0322.C2
Gene No.	81506	Strand	+
Start	1186	End	5774
Name	OJ000118_18.0322.C2.o2.gs	Method	GENSCAN
Start	1186	End	5774

GI none Score .62
Exons 1186..1620, 1698..1880, 3171..3305, 4530..4640, 4734..4775, 4870..4965, 5038..5127, 5233..5346, 5450..5482, 5700..5774

Seq. No. 39468 Seq. ID OJ000118_18.0322.C2
Gene No. 81507 Strand -
Start 676 End 977
Name OJ000118_18.0322.C2.o1.np Method AAT/NAP
Start 676 End 977
GI 6063539 Score 156
Exons 676..780, 816..977
GI Descrip. (AP000615) hypothetical protein [Oryza sativa]

Seq. No. 39468 Seq. ID OJ000118_18.0322.C2
Gene No. 81508 Strand -
Start 5697 End 6064
Name OJ000118_18.0322.C2.o1.gp Method AAT/GAP
Start 5697 End 6064
GI none Score 712
Exons 5697..6064

Seq. No. 39468 Seq. ID OJ000118_18.0322.C2
Gene No. 81509 Strand -
Start 6445 End 9236
Name OJ000118_18.0322.C2.o3.gs Method GENSCAN
Start 6445 End 9236
GI none Score .9
Exons 6445..6489, 7372..7458, 7545..8112, 8199..8353, 8436..8556, 8664..8742, 8830..8999, 9134..9236

Seq. No. 39468 Seq. ID OJ000118_18.0322.C2
Gene No. 81509 Strand -
Start 6445 End 9236
Name OJ000118_18.0322.C2.o2.gp Method AAT/GAP
Start 6765 End 7613
GI 27919_2.R1084 Score 819
Exons 6765..6946, 7054..7134, 7226..7305, 7372..7458, 7545..7613
GI Descrip. '6016736/gb|AAF01562.1|AC009325_32 2.0e-15 (AC009325) unknown protein [Arabidopsis thaliana]'

Seq. No. 39468 Seq. ID OJ000118_18.0322.C2
Gene No. 81509 Strand -
Start 6445 End 9236
Name OJ000118_18.0322.C2.o1.tm Method TBLASTX:Maize
Start 7872 End 8905
GI none Score 135
Exons 7872..8114, 7876..8121, 8231..8299, 8235..8297, 8684..8743, 8837..8905

Seq. No. 39469 Seq. ID OJ000118_18.0322.C3
Gene No. 81510 Strand +
Start 195 End 1675
Name OJ000118_18.0322.C3.o1.gs Method GENSCAN
Start 195 End 1675
GI none Score .79
Exons 195..473, 1166..1368, 1408..1675

Seq. No.	39469	Seq. ID	OJ000118_18.0322.C3
Gene No.	81511	Strand	+
Start	3221	End	3591
Name	OJ000118_18.0322.C3.o1.gp	Method	AAT/GAP
Start	3221	End	3591
GI	none	Score	714
Exons	3221..3591		

Seq. No.	39469	Seq. ID	OJ000118_18.0322.C3
Gene No.	81512	Strand	-
Start	4460	End	6479
Name	OJ000118_18.0322.C3.o3.gs	Method	GENSCAN
Start	4460	End	6479
GI	none	Score	.48
Exons	4460..4474, 4507..4608, 4694..4997, 5078..5237, 6316..6479		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81513	Strand	+
Start	9584	End	10614
Name	OJ000118_18.0322.C4.o2.gs	Method	GENSCAN
Start	9584	End	10614
GI	none	Score	.5
Exons	9584..9914, 9987..10086, 10560..10614		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81514	Strand	+
Start	14527	End	14937
Name	OJ000118_18.0322.C4.o4.gs	Method	GENSCAN
Start	14527	End	14937
GI	none	Score	.48
Exons	14527..14937		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81515	Strand	+
Start	15779	End	18508
Name	OJ000118_18.0322.C4.o2.np	Method	AAT/NAP
Start	15463	End	18493
GI	6996268	Score	965
Exons	15463..15568, 15759..15976, 17004..17535, 17631..18493		
GI Descrip.	(AL138657) putative protein [Arabidopsis thaliana]		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81515	Strand	+
Start	15779	End	18508
Name	OJ000118_18.0322.C4.o5.gs	Method	GENSCAN
Start	15779	End	16250
GI	none	Score	.61
Exons	15779..15976, 16143..16250		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81515	Strand	+
Start	15779	End	18508
Name	OJ000118_18.0322.C4.o6.gs	Method	GENSCAN
Start	16992	End	18508
GI	none	Score	.73
Exons	16992..17584, 17656..17830, 17852..18508		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81516	Strand	+
Start	18722	End	20946
Name	OJ000118_18.0322.C4.o7.gs	Method	GENSCAN
Start	18722	End	20946
GI	none	Score	.5
Exons	18722..18785, 18905..19226, 19273..19454, 20553..20683, 20827..20946		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81517	Strand	-
Start	892	End	5611
Name	OJ000118_18.0322.C4.o1.gs	Method	GENSCAN
Start	892	End	5611
GI	none	Score	.72
Exons	892..966, 1407..1547, 2219..2295, 2608..2707, 3252..3318, 3457..3570, 3649..3727, 3845..4015, 4353..4485, 4830..4992, 5130..5382, 5521..5611		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81517	Strand	-
Start	892	End	5611
Name	OJ000118_18.0322.C4.o1.np	Method	AAT/NAP
Start	1377	End	5281
GI	7529719	Score	1091
Exons	1377..1547, 1645..1734, 2207..2295, 2393..2514, 2604..2697, 2900..2972, 3042..3146, 3252..3318, 3457..3570, 3649..3727, 3845..4015, 4353..4485, 4830..4992, 5112..5281		
GI Descrip.	(AL132969) putative protein [Arabidopsis thaliana]		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81517	Strand	-
Start	892	End	5611
Name	OJ000118_18.0322.C4.o1.gp	Method	AAT/GAP
Start	2252	End	2968
GI	2312957	Score	588
Exons	2252..2295, 2393..2514, 2604..2707, 2913..2968		
GI Descrip.	4581150/gb|AAD24634.1|AC006919_12 2.0e-21 (AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o2.tm	Method	TBLASTX:Maize
Start	2394	End	4986
GI	none	Score	39
Exons	2394..2456, 2603..2674, 2901..2972, 2902..2982, 3042..3179, 3042..3149, 3043..3159, 3250..3324, 3420..3539, 3648..3737, 3655..3738, 3843..4067, 3844..4017, 3920..4042, 4346..4471, 4351..4473, 4822..4986, 4836..4985		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o2.ts	Method	TBLASTX:Soybean
Start	2601	End	3312
GI	none	Score	80

Exons	2601..2678, 2612..2686, 2887..2976, 2901..2972, 3033..3149, 3034..3150, 3249..3311, 3250..3312		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o3.ts	Method	TBLASTX:Soybean
Start	3483	End	4986
GI	none	Score	72
Exons	3483..3533, 3493..3570, 3648..3719, 3652..3714, 3852..4016, 3852..4067, 3859..4017, 4337..4501, 4351..4485, 4776..4976, 4819..4986, 4836..4985		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o3.tc	Method	TBLASTX:Cress
Start	4834	End	4986
GI	none	Score	141
Exons	4834..4986, 4836..4985		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o2.gp	Method	AAT/GAP
Start	12228	End	12333
GI	1632454	Score	186
Exons	12228..12333		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o3.gs	Method	GENSCAN
Start	12365	End	13273
GI	none	Score	.95
Exons	12365..12661, 13178..13273		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	
Start	17256	End	18466
Name	OJ000118_18.0322.C4.o1.ts	Method	TBLASTX:Soybean
Start	17256	End	18445
GI	none	Score	102
Exons	17256..17450, 17723..17908, 17999..18073, 18122..18331, 18317..18445		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	
Start	17256	End	18466
Name	OJ000118_18.0322.C4.o2.tc	Method	TBLASTX:Cress
Start	17671	End	17916
GI	none	Score	193
Exons	17671..17916, 17672..17911		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	
Start	17256	End	18466

Name	OJ000118_18.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	17701	End	18445
GI	none	Score	151
Exons	17701..17913, 17708..17911, 17999..18073, 18122..18328, 18332..18445		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	
Start	17256	End	18466
Name	OJ000118_18.0322.C4.o2.tw	Method	TBLASTX:Wheat
Start	18001	End	18295
GI	none	Score	68
Exons	18001..18030, 18002..18073, 18121..18294, 18122..18295		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	
Start	17256	End	18466
Name	OJ000118_18.0322.C4.o1.tc	Method	TBLASTX:Cress
Start	18122	End	18466
GI	none	Score	298
Exons	18122..18466, 18127..18234, 18289..18420		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81520	Strand	
Start	19366	End	21045
Name	OJ000118_18.0322.C4.o1.tw	Method	TBLASTX:Wheat
Start	19366	End	20855
GI	none	Score	107
Exons	19366..19569, 19367..19483, 20548..20679, 20549..20698, 20552..20701, 20553..20699, 20823..20855		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81520	Strand	
Start	19366	End	21045
Name	OJ000118_18.0322.C4.o3.tm	Method	TBLASTX:Maize
Start	19366	End	21045
GI	none	Score	116
Exons	19366..19461, 19367..19483, 20548..20694, 20549..20698, 20552..20701, 20553..20699, 20797..20934, 20819..20959, 20821..20937, 20826..20975, 20989..21045		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81521	Strand	+
Start	741	End	10092
Name	OJ000118_18.0322.C5.o1.gs	Method	GENSCAN
Start	741	End	10092
GI	none	Score	.76
Exons	741..1007, 1155..1340, 1509..1610, 1690..1746, 1845..1940, 2018..2110, 2227..2352, 2459..2491, 2576..2626, 2762..2840, 3594..3679, 5105..5281, 5468..5798, 6068..6274, 6791..6936, 7155..7239, 7363..7503, 7599..7712, 8329..8393, 8468..8544, 9139..9283, 9341..9442, 9642..9721, 9744..9797, 9975..10092		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81521	Strand	+
Start	741	End	10092
Name	OJ000118_18.0322.C5.o1.np	Method	AAT/NAP

Start 5117 End 9719
GI 6016736 Score 829
Exons 5117..5401, 6904..6927, 7146..7239, 7363..7503, 7599..7712, 8296..8396, 8468..8544, 8613..8718, 8924..9051, 9139..9283, 9379..9442, 9642..9719
GI Descrip. (AC009325) unknown protein [Arabidopsis thaliana]

Seq. No. 39471 Seq. ID OJ000118_18.0322.C5
Gene No. 81521 Strand +
Start 741 End 10092
Name OJ000118_18.0322.C5.o1.gp Method AAT/GAP
Start 6067 End 7261
GI 3061082 Score 804
Exons 6067..6274, 6791..6938, 7158..7261
GI Descrip. 3869066/dbj|AB019227.1|AB019227 9.0e-09 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MBM17, complete sequence

Seq. No. 39471 Seq. ID OJ000118_18.0322.C5
Gene No. 81521 Strand +
Start 741 End 10092
Name OJ000118_18.0322.C5.o2.gp Method AAT/GAP
Start 9377 End 9998
GI 2429020 Score 776
Exons 9377..9442, 9642..9998
GI Descrip. 6016736/gb|AAF01562.1|AC009325_32 2.0e-15 (AC009325) unknown protein [Arabidopsis thaliana]

Seq. No. 39471 Seq. ID OJ000118_18.0322.C5
Gene No. 81522 Strand +
Start 13700 End 23853
Name OJ000118_18.0322.C5.o2.np Method AAT/NAP
Start 13700 End 23412
GI 7329668 Score 1789
Exons 13700..13850, 14978..15121, 15205..15276, 15353..15424, 15796..15870, 16791..16859, 16981..17049, 17160..17231, 17532..17618, 17704..17772, 19249..19749, 21285..21425, 21549..21832, 22313..22364, 22621..22871, 23275..23412
GI Descrip. (AL162351) putative protein [Arabidopsis thaliana]

Seq. No. 39471 Seq. ID OJ000118_18.0322.C5
Gene No. 81522 Strand +
Start 13700 End 23853
Name OJ000118_18.0322.C5.o4.gs Method GENSCAN
Start 17452 End 23853
GI none Score .83
Exons 17452..17465, 17532..17618, 19249..19739, 21276..21425, 21549..21842, 22705..22871, 23275..23409, 23776..23853

Seq. No. 39471 Seq. ID OJ000118_18.0322.C5
Gene No. 81522 Strand +
Start 13700 End 23853
Name OJ000118_18.0322.C5.o3.gp Method AAT/GAP
Start 19230 End 19673
GI none Score 834
Exons 19230..19673

Seq. No. 39471 Seq. ID OJ000118_18.0322.C5

Gene No.	81522	Strand	+
Start	13700	End	23853
Name	OJ000118_18.0322.C5.o4.gp	Method	AAT/GAP
Start	22321	End	23399
GI	LIB3431-023-P1-K1-A1	Score	759
Exons	22321..22364, 22621..22871, 23275..23399		
GI Descrip.	'4581150/gb|AAD24634.1|AC006919_12 2.0e-21 (AC006919) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81523	Strand	-
Start	10952	End	11620
Name	OJ000118_18.0322.C5.o2.gs	Method	GENSCAN
Start	10952	End	11620
GI	none	Score	.79
Exons	10952..11142, 11608..11620		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o2.tm	Method	TBLASTX:Maize
Start	6799	End	9725
GI	none	Score	191
Exons	6799..6942, 6807..6944, 7147..7239, 7152..7241, 7154..7240, 7361..7501, 7362..7538, 7560..7712, 7594..7734, 7598..7735, 8292..8396, 8294..8401, 8294..8398, 8295..8399, 8466..8540, 8467..8544, 8468..8542, 8604..8717, 8611..8724, 8907..9044, 8918..9043, 8921..9052, 8923..9054, 9169..9219, 9170..9223, 9200..9253, 9211..9285, 9212..9286, 9354..9437, 9383..9442, 9385..9441, 9615..9725, 9641..9721		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o1.tc	Method	TBLASTX:Cress
Start	7152	End	7538
GI	none	Score	126
Exons	7152..7241, 7152..7235, 7153..7239, 7154..7240, 7361..7501, 7362..7538		

Seq. No.	39471	Seq. ID	OJ000118_18.[illegible]22.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	7152	End	9049
GI	none	Score	124
Exons	7152..7241, 7154..7240, 7361..7540, 7362..7[illegible], [illegible].7530, 7556..7735, 7597..7695, 8291..8398, 8292..8396, 8480..8542, 8482..8544, 8598..8717, 8611..8724, 8918..9028, 8920..9036, 8921..9049		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o2.tc	Method	TBLASTX:Cress
Start	7598	End	8742
GI	none	Score	153

Exons	7598..7735, 8291..8398, 8292..8396, 8292..8417, 8480..8542, 8482..8544, 8611..8742, 8619..8714		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o3.gs	Method	GENSCAN
Start	11829	End	14731
GI	none	Score	.62
Exons	11829..12445, 14512..14731		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o4.ts	Method	TBLASTX:Soybean
Start	13699	End	15232
GI	none	Score	162
Exons	13699..13851, 13699..13854, 14290..14355, 14478..14549, 14483..14539, 14978..15112, 14978..15112, 14979..15113, 14991..15104, 15143..15232		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81525	Strand	
Start	16787	End	17232
Name	OJ000118_18.0322.C5.o4.tm	Method	TBLASTX:Maize
Start	16787	End	17232
GI	none	Score	51
Exons	16787..16855, 16788..16859, 16789..16869, 16970..17050, 16981..17049, 16982..17020, 17092..17118, 17161..17232, 17172..17195, 17173..17196		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	19261	End	22798
GI	none	Score	549
Exons	19261..19743, 19262..19735, 21269..21409, 21273..21410, 21513..21827, 21529..21822, 21529..21831, 21548..21838, 21647..21835, 22303..22362, 22310..22363, 22611..22796, 22631..22798, 22634..22798		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o3.tc	Method	TBLASTX:Cress
Start	21587	End	22706
GI	none	Score	224
Exons	21587..21838, 21637..21762, 22617..22706		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o2.tw	Method	TBLASTX:Wheat
Start	21590	End	21811
GI	none	Score	244
Exons	21590..21811, 21598..21795		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o3.ts	Method	TBLASTX:Soybean
Start	21590	End	21826
GI	none	Score	245
Exons	21590..21826, 21598..21795		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o1.tw	Method	TBLASTX:Wheat
Start	22306	End	23400
GI	none	Score	93
Exons	22306..22362, 22308..22364, 22310..22363, 22310..22384, 22611..22871, 22631..22873, 22631..22870, 23274..23396, 23274..23396, 23275..23400		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o2.ts	Method	TBLASTX:Soybean
Start	22611	End	23431
GI	none	Score	359
Exons	22611..22871, 22625..22870, 22628..22873, 23273..23431, 23274..23411, 23275..23412, 23318..23431		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o3.tm	Method	TBLASTX:Maize
Start	22800	End	23424
GI	none	Score	92
Exons	22800..22871, 22802..22870, 23274..23414, 23275..23424, 23276..23416		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81527	Strand	+
Start	1	End	709
Name	OJ000118_18.0322.C6.o1.np	Method	AAT/NAP
Start	1	End	706
GI	7523712	Score	241
Exons	1..43, 339..598, 629..706		
GI Descrip.	(AC011001) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81527	Strand	+
Start	1	End	709
Name	OJ000118_18.0322.C6.o1.gs	Method	GENSCAN
Start	332	End	709
GI	none	Score	.88
Exons	332..709		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81528	Strand	+
Start	1445	End	7839

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Name          OJ000118_18.0322.C6.o2.np     Method   AAT/NAP
Start         1425                          End      7387
GI            4733959                       Score    2435
Exons         1425..1639, 1754..1873, 2377..2468, 2616..2729, 3203..3533,
              4123..4302, 4449..4529, 4794..5012, 5095..5237, 5862..6028,
              6154..6377, 6754..6846, 7196..7387
GI Descrip.   (AC007294) GIDA-like protein [Arabidopsis thaliana]

Seq. No.      39472                         Seq. ID  OJ000118_18.0322.C6
Gene No.      81528                         Strand   +
Start         1445                          End      7839
Name          OJ000118_18.0322.C6.o2.gs     Method   GENSCAN
Start         1445                          End      7393
GI            none                          Score    .85
Exons         1445..1873, 2377..2468, 2616..2729, 3203..3356, 3429..3533,
              4123..4302, 4794..5012, 5095..5237, 5862..6028, 6160..6377,
              6754..6846, 7196..7393

Seq. No.      39472                         Seq. ID  OJ000118_18.0322.C6
Gene No.      81528                         Strand   +
Start         1445                          End      7839
Name          OJ000118_18.0322.C6.o2.gp     Method   AAT/GAP
Start         4804                          End      5946
GI            uC-osflcyp002c03b1            Score    806
Exons         4804..5012, 5095..5237, 5862..5946
GI Descrip.   '4733959/gb|AAD28643.1|AC007294_2 2.0e-70 (AC007294) putative
              glucose inhibited division protein A [Arabidopsis thaliana]'

Seq. No.      39472                         Seq. ID  OJ000118_18.0322.C6
Gene No.      81528                         Strand   +
Start         1445                          End      7839
Name          OJ000118_18.0322.C6.o3.gp     Method   AAT/GAP
Start         6762                          End      7839
GI            14054_1.R1084                 Score    1278
Exons         6762..6846, 7196..7839
GI Descrip.   '4733959/gb|AAD28643.1|AC007294_2 5.0e-18 (AC007294) putative
              glucose inhibited division protein A [Arabidopsis thaliana]'

Seq. No.      39472                         Seq. ID  OJ000118_18.0322.C6
Gene No.      81529                         Strand   -
Start         514                           End      846
Name          OJ000118_18.0322.C6.o1.gp     Method   AAT/GAP
Start         514                           End      846
GI            15736_1.R1084                 Score    570
Exons         514..846
GI Descrip.   '6015437/dbj|AB008112.1|AB008112 7.0e-12 Homo sapiens PEX1 mRNA,
              complete cds'

Seq. No.      39472                         Seq. ID  OJ000118_18.0322.C6
Gene No.      81530                         Strand   -
Start         8495                          End      25114
Name          OJ000118_18.0322.C6.o6.ts     Method   TBLASTX:Soybean
Start         331                           End      738
GI            none                          Score    195
Exons         331..555, 332..538, 646..738

Seq. No.      39472                         Seq. ID  OJ000118_18.0322.C6
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Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o5.tm	Method	TBLASTX:Maize
Start	350	End	531
GI	none	Score	100
Exons	350..415, 352..411, 410..523, 412..531		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o3.ts	Method	TBLASTX:Soybean
Start	1745	End	3481
GI	none	Score	102
Exons	1745..1873, 1748..1888, 1762..1887, 2367..2462, 2374..2466, 2376..2471, 2377..2469, 2641..2727, 2646..2729, 3188..3481, 3201..3479		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o2.tm	Method	TBLASTX:Maize
Start	2611	End	3497
GI	none	Score	175
Exons	2611..2727, 2613..2729, 2616..2729, 3196..3486, 3200..3493, 3201..3497, 3201..3497		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	4109	End	5916
GI	none	Score	120
Exons	4109..4303, 4119..4322, 4120..4305, 4446..4529, 4446..4529, 4447..4530, 4448..4531, 4777..4905, 4790..5008, 4791..5012, 4791..5012, 4819..5028, 5092..5217, 5092..5193, 5094..5216, 5860..5916		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	4797	End	6383
GI	none	Score	324
Exons	4797..5012, 4797..5012, 4798..5016, 4799..5017, 5092..5235, 5093..5236, 5094..5237, 5859..6029, 5860..6030, 5861..6028, 6157..6369, 6158..6376, 6158..6373, 6159..6383, 6159..6377		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o1.tc	Method	TBLASTX:Cress
Start	5923	End	6819
GI	none	Score	141
Exons	5923..6024, 5925..6011, 5933..6031, 6161..6376, 6161..6376, 6162..6383, 6162..6383, 6745..6819		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6

Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o5.ts	Method	TBLASTX:Soybean
Start	6189	End	7366
GI	none	Score	260
Exons	6189..6383, 6200..6379, 6219..6386, 6709..6849, 6745..6849, 7044..7100, 7195..7278, 7196..7366		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o6.tm	Method	TBLASTX:Maize
Start	6754	End	7378
GI	none	Score	52
Exons	6754..6786, 6763..6852, 6790..6849, 6794..6853, 7193..7378, 7195..7359, 7196..7375		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o3.np	Method	AAT/NAP
Start	8494	End	25114
GI	5263327	Score	659
Exons	8494..9272, 9372..9595, 9712..9920, 10033..10166, 10194..10522, 11542..11636, 24982..25114		
GI Descrip.	(AC007727) EST gb|T20649 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o3.gs	Method	GENSCAN
Start	8495	End	11322
GI	none	Score	.77
Exons	8495..9272, 9372..9595, 9712..9923, 10033..10988, 11099..11322		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o3.tm	Method	TBLASTX:Maize
Start	8888	End	9550
GI	none	Score	110
Exons	8888..9016, 8889..9017, 9050..9139, 9203..9289, 9371..9550		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o2.ts	Method	TBLASTX:Soybean
Start	8900	End	10192
GI	none	Score	99
Exons	8900..9022, 8901..9017, 9038..9151, 9200..9271, 9371..9592, 9712..9780, 10064..10192		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o5.gs	Method	GENSCAN

Start 19114 End 24924
GI none Score .66
Exons 19114..19337, 19781..19927, 21552..21740, 23991..24087, 24129..24242, 24286..24318, 24478..24533, 24684..24924

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
Gene No. 81530 Strand -
Start 8495 End 25114
Name OJ000118_18.0322.C6.o4.tm Method TBLASTX:Maize
Start 19723 End 21867
GI none Score 243
Exons 19723..19926, 19730..19900, 19764..19925, 19767..19928, 21601..21732, 21608..21739, 21808..21867

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
Gene No. 81530 Strand -
Start 8495 End 25114
Name OJ000118_18.0322.C6.o4.ts Method TBLASTX:Soybean
Start 23861 End 24537
GI none Score 45
Exons 23861..23905, 23862..23894, 23991..24050, 23991..24059, 23992..24051, 24123..24173, 24130..24171, 24283..24372, 24284..24349, 24286..24357, 24478..24537, 24479..24532

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
Gene No. 81530 Strand -
Start 8495 End 25114
Name OJ000118_18.0322.C6.o4.np Method AAT/NAP
Start 23867 End 24930
GI 5882735 Score 285
Exons 23867..23893, 23991..24050, 24129..24170, 24286..24351, 24478..24533, 24684..24930
GI Descrip. (AC008263) ESTs gb|AA042183 and gb|R86825 come from this gene. [Arabidopsis thaliana] gi|6646776|gb|AAF21088.1|AC013258_26 (AC013258) unknown protein [Arabidopsis thaliana]

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
Gene No. 81530 Strand -
Start 8495 End 25114
Name OJ000118_18.0322.C6.o1.tw Method TBLASTX:Wheat
Start 23991 End 24537
GI none Score 87
Exons 23991..24056, 23991..24059, 24123..24149, 24147..24173, 24148..24177, 24149..24178, 24283..24372, 24284..24349, 24286..24357, 24478..24537, 24479..24532

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
Gene No. 81530 Strand -
Start 8495 End 25114
Name OJ000118_18.0322.C6.o2.tc Method TBLASTX:Cress
Start 24000 End 24537
GI none Score 35
Exons 24000..24050, 24129..24158, 24133..24153, 24283..24372, 24284..24349, 24286..24357, 24478..24537, 24479..24532

Seq. No. 39473 Seq. ID OJ000118_18.0322.C7
Gene No. 81531 Strand +

Start	658	End	3461
Name	OJ000118_18.0322.C7.o1.np	Method	AAT/NAP
Start	658	End	2483
GI	6721512	Score	74
Exons	658..748, 776..912, 973..1139, 2441..2483		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	39473	Seq. ID	OJ000118_18.0322.C7
Gene No.	81531	Strand	+
Start	658	End	3461
Name	OJ000118_18.0322.C7.o3.np	Method	AAT/NAP
Start	1581	End	3461
GI	5902448	Score	122
Exons	1581..2090, 3418..3461		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	39473	Seq. ID	OJ000118_18.0322.C7
Gene No.	81531	Strand	+
Start	658	End	3461
Name	OJ000118_18.0322.C7.o2.np	Method	AAT/NAP
Start	1602	End	2604
GI	6721558	Score	92
Exons	1602..1715, 2545..2604		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39473	Seq. ID	OJ000118_18.0322.C7
Gene No.	81532	Strand	-
Start	5486	End	5685
Name	OJ000118_18.0322.C7.o4.np	Method	AAT/NAP
Start	5486	End	5685
GI	2583130	Score	45
Exons	5486..5685		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.gp	Method	AAT/GAP
Start	1	End	1261
GI	none	Score	764
Exons	1..149, 685..844, 1134..1261		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.np	Method	AAT/NAP
Start	597	End	1927
GI	6714327	Score	637
Exons	597..844, 1134..1255, 1349..1470, 1847..1927		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927

Name	OJ000118_18.0322.C8.o1.tc	Method	TBLASTX:Cress
Start	631	End	1395
GI	none	Score	165
Exons	631..846, 672..845, 1121..1234, 1134..1256, 1134..1235, 1135..1257, 1216..1266, 1348..1395		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.tm	Method	TBLASTX:Maize
Start	652	End	1927
GI	none	Score	178
Exons	652..846, 678..845, 829..885, 1108..1251, 1127..1252, 1133..1258, 1134..1253, 1216..1257, 1346..1471, 1348..1470, 1828..1926, 1841..1927		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.ts	Method	TBLASTX:Soybean
Start	675	End	846
GI	none	Score	165
Exons	675..845, 676..846		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.gs	Method	GENSCAN
Start	685	End	1255
GI	none	Score	.8
Exons	685..844, 1134..1255		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81534	Strand	+
Start	297	End	1989
Name	OJ000118_18.0322.C9.o1.gs	Method	GENSCAN
Start	297	End	1989
GI	none	Score	.9
Exons	297..340, 1020..1144, 1571..1989		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81534	Strand	+
Start	297	End	1989
Name	OJ000118_18.0322.C9.o1.np	Method	AAT/NAP
Start	1066	End	1986
GI	137476	Score	667
Exons	1066..1144, 1571..1986		
GI Descrip.	VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT gi|82334|pir||A40814 H+-transporting ATPase (EC 3.6.1.35) proteolipid chain, vacuolar - oat gi|166549|gb|AAA32712.1| (M73232) H+-ATPase [Avena sativa]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81535	Strand	+
Start	12028	End	12088
Name	OJ000118_18.0322.C9.o5.gp	Method	AAT/GAP
Start	12028	End	12088

GI	2312838	Score	73
Exons	12028..12088		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81536	Strand	+
Start	12870	End	15800
Name	OJ000118_18.0322.C9.o6.gp	Method	AAT/GAP
Start	12757	End	13271
GI	26491_1.R1084	Score	1011
Exons	12757..13271		
GI Descrip.	'82410/pir||S22505 8.0e-33 peroxidase (EC 1.11.1.7) BP1 precursor - barley >gi_167081 (M73234) peroxidase BP 1 [Hordeum vulgare]'		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81536	Strand	+
Start	12870	End	15800
Name	OJ000118_18.0322.C9.o4.gs	Method	GENSCAN
Start	12870	End	15616
GI	none	Score	.65
Exons	12870..13325, 14975..15616		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81536	Strand	+
Start	12870	End	15800
Name	OJ000118_18.0322.C9.o4.np	Method	AAT/NAP
Start	12882	End	15613
GI	82410	Score	963
Exons	12882..13325, 14975..15613		
GI Descrip.	peroxidase (EC 1.11.1.7) BP1 precursor - barley gi|167081 (M73234) peroxidase BP 1 [Hordeum vulgare]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81536	Strand	+
Start	12870	End	15800
Name	OJ000118_18.0322.C9.o7.gp	Method	AAT/GAP
Start	14976	End	15800
GI	16611_1.R1084	Score	1580
Exons	14976..15800		
GI Descrip.	'1402914/emb|CAA66962| 3.0e-09 (X98318) peroxidase [Arabidopsis thaliana]'		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81537	Strand	+
Start	18791	End	21068
Name	OJ000118_18.0322.C9.o6.gs	Method	GENSCAN
Start	18791	End	21068
GI	none	Score	.8
Exons	18791..18909, 19890..20082, 20295..21068		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81538	Strand	+
Start	23857	End	24351
Name	OJ000118_18.0322.C9.o7.gs	Method	GENSCAN
Start	23857	End	24351

GI	none	Score	.62
Exons	23857..24002, 24219..24351		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81539	Strand	+
Start	24970	End	26040
Name	OJ000118_18.0322.C9.o5.np	Method	AAT/NAP
Start	24964	End	26037
GI	82410	Score	974
Exons	24964..26037		
GI Descrip.	peroxidase (EC 1.11.1.7) BP1 precursor - barley gi|167081 (M73234) peroxidase BP 1 [Hordeum vulgare]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81539	Strand	+
Start	24970	End	26040
Name	OJ000118_18.0322.C9.o8.gs	Method	GENSCAN
Start	24970	End	26040
GI	none	Score	.57
Exons	24970..26040		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81540	Strand	+
Start	29247	End	30711
Name	OJ000118_18.0322.C9.o10.gs	Method	GENSCAN
Start	29247	End	30705
GI	none	Score	.91
Exons	29247..29699, 30082..30705		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81540	Strand	+
Start	29247	End	30711
Name	OJ000118_18.0322.C9.o6.np	Method	AAT/NAP
Start	29256	End	30711
GI	82410	Score	1191
Exons	29256..29699, 30082..30711		
GI Descrip.	peroxidase (EC 1.11.1.7) BP1 precursor - barley gi|167081 (M73234) peroxidase BP 1 [Hordeum vulgare]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81541	Strand	+
Start	34407	End	36315
Name	OJ000118_18.0322.C9.o8.np	Method	AAT/NAP
Start	34407	End	36315
GI	5080763	Score	336
Exons	34407..34687, 34779..34905, 35275..35363, 35957..36134, 36253..36315		
GI Descrip.	(AC007203) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81542	Strand	+
Start	39751	End	39815
Name	OJ000118_18.0322.C9.o10.gp	Method	AAT/GAP
Start	39751	End	39815
GI	LIB3477-003-P1-K1-E9	Score	83
Exons	39751..39815		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81543	Strand	+
Start	40007	End	40723
Name	OJ000118_18.0322.C9.o13.gs	Method	GENSCAN
Start	40007	End	40723
GI	none	Score	.47
Exons	40007..40723		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81544	Strand	-
Start	2799	End	4613
Name	OJ000118_18.0322.C9.o1.gp	Method	AAT/GAP
Start	2681	End	4613
GI	11600_1.R1084	Score	1006
Exons	2681..2878, 3368..3400, 4168..4265, 4391..4613		
GI Descrip.	'466160/sp|P34661|YOY3_CAEEL 3.0e-34 HYPOTHETICAL 9.8 KD PROTEIN ZK652.3 IN CHROMOSOME III >gi_630771_pir__S44903 ZK652.3 protein - Caenorhabditis elegans >gi_289769 (L14429) putative [Caenorhabditis elegans]'		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81544	Strand	-
Start	2799	End	4613
Name	OJ000118_18.0322.C9.o2.gs	Method	GENSCAN
Start	2799	End	4488
GI	none	Score	.98
Exons	2799..2878, 3368..3400, 4168..4265, 4391..4488		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81544	Strand	-
Start	2799	End	4613
Name	OJ000118_18.0322.C9.o2.np	Method	AAT/NAP
Start	2799	End	4458
GI	6437521	Score	315
Exons	2799..2878, 3368..3400, 4168..4265, 4391..4458		
GI Descrip.	(AC012193) unknown protein [Arabidopsis thaliana]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o3.gs	Method	GENSCAN
Start	5237	End	10651
GI	none	Score	.67
Exons	5237..6220, 6311..6443, 6831..6899, 7351..7564, 7682..7976, 9098..9233, 9717..9999, 10350..10398, 10505..10651		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o2.gp	Method	AAT/GAP
Start	6813	End	7565
GI	286400	Score	456
Exons	6813..6899, 7351..7565		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o3.gp	Method	AAT/GAP
Start	8426	End	9177
GI	LIB3477-003-P1-K1-C10	Score	768
Exons	8426..8741, 9098..9177		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o3.np	Method	AAT/NAP
Start	8670	End	10401
GI	7440314	Score	599
Exons	8670..8741, 9092..9233, 9717..9999, 10350..10401		
GI Descrip.	ribosomal protein S10, cytosolic - Arabidopsis thaliana gi|4539292|emb|CAB39595.1| (AL049480) putative ribosomal protein S10 [Arabidopsis thaliana] gi|7269424|emb|CAB81384.1| (AL161563) putative ribosomal protein S10 [Arabidopsis thaliana]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o4.gp	Method	AAT/GAP
Start	9738	End	10557
GI	2428870	Score	657
Exons	9738..9999, 10350..10398, 10505..10557		
GI Descrip.	4539292/emb|CAB39595.1| 2.0e-43 (AL049480) putative ribosomal protein S10 [Arabidopsis thaliana]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81546	Strand	-
Start	17149	End	17502
Name	OJ000118_18.0322.C9.o5.gs	Method	GENSCAN
Start	17149	End	17502
GI	none	Score	.99
Exons	17149..17502		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81547	Strand	-
Start	26863	End	27189
Name	OJ000118_18.0322.C9.o9.gs	Method	GENSCAN
Start	26863	End	27189
GI	none	Score	1
Exons	26863..27189		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81548	Strand	-
Start	31293	End	34732
Name	OJ000118_18.0322.C9.o11.gs	Method	GENSCAN
Start	31293	End	34732
GI	none	Score	.59
Exons	31293..31403, 31653..31718, 31883..31973, 32230..32437, 32563..32575, 32711..32824, 32985..33098, 33987..34129, 34177..34732		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81548	Strand	-
Start	31293	End	34732
Name	OJ000118_18.0322.C9.o7.np	Method	AAT/NAP
Start	31623	End	34040
GI	6560768	Score	438
Exons	31623..31718, 31883..31973, 32230..32307, 32601..32842, 32964..33103, 33965..34040		
GI Descrip.	(AC010155) F3M18.7 [Arabidopsis thaliana]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81549	Strand	-
Start	38878	End	39747
Name	OJ000118_18.0322.C9.o12.gs	Method	GENSCAN
Start	38878	End	39729
GI	none	Score	.81
Exons	38878..38993, 39711..39729		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81549	Strand	-
Start	38878	End	39747
Name	OJ000118_18.0322.C9.o9.gp	Method	AAT/GAP
Start	39295	End	39747
GI	LIB3432-059-P1-K1-D8	Score	706
Exons	39295..39747		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o2.tc	Method	TBLASTX:Cress
Start	1053	End	1992
GI	none	Score	114
Exons	1053..1148, 1054..1146, 1563..1799, 1564..1776, 1854..1910, 1855..1992		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o3.tw	Method	TBLASTX:Wheat
Start	1054	End	1799
GI	none	Score	111
Exons	1054..1146, 1065..1148, 1563..1799, 1564..1776		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o3.tm	Method	TBLASTX:Maize
Start	1062	End	1992
GI	none	Score	109
Exons	1062..1148, 1063..1146, 1563..1910, 1564..1776, 1855..1992, 1867..1923		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-

Start	41221	End	41372
Name	OJ000118_18.0322.C9.o2.ts	Method	TBLASTX:Soybean
Start	1072	End	1983
GI	none	Score	98
Exons	1072..1146, 1080..1148, 1563..1799, 1564..1776, 1854..1910, 1855..1983		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o7.tm	Method	TBLASTX:Maize
Start	2814	End	4444
GI	none	Score	109
Exons	2814..2882, 2818..2880, 3367..3402, 4169..4264, 4170..4265, 4388..4444, 4388..4444		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o2.tm	Method	TBLASTX:Maize
Start	8570	End	10408
GI	none	Score	54
Exons	8570..8599, 8651..8743, 9089..9247, 9096..9236, 9127..9258, 9614..9646, 9690..10001, 9700..9837, 9717..9998, 9764..10009, 10339..10407, 10352..10408		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o3.tc	Method	TBLASTX:Cress
Start	9098	End	10404
GI	none	Score	292
Exons	9098..9139, 9735..10034, 9764..10009, 10354..10404		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o3.ts	Method	TBLASTX:Soybean
Start	9101	End	10422
GI	none	Score	258
Exons	9101..9139, 9215..9235, 9744..10040, 9764..10009, 10352..10399, 10354..10422		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o1.tw	Method	TBLASTX:Wheat
Start	9106	End	10404
GI	none	Score	72
Exons	9106..9186, 9119..9139, 9129..9224, 9130..9225, 9690..10031, 9700..9837, 9717..10001, 9764..10009, 10339..10404, 10352..10399		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o1.tc	Method	TBLASTX:Cress
Start	12957	End	30636

GI	none	Score	212
Exons	12957..13172, 12974..13171, 13175..13318, 13176..13325, 14969..15067, 14977..15066, 15139..15519, 15140..15529, 19935..20084, 19936..20088, 20289..20441, 20432..21037, 20433..21047, 25051..25416, 25152..25292, 25356..25955, 25357..25965, 29337..29648, 29348..29656, 29646..29696, 30069..30137, 30082..30159, 30237..30368, 30238..30636, 30393..30635		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o1.ts	Method	TBLASTX:Soybean
Start	12971	End	30510
GI	none	Score	215
Exons	12971..13039, 12972..13172, 13067..13171, 13175..13318, 13176..13325, 14975..15409, 14977..15066, 15139..15408, 19932..20084, 19933..20088, 20289..20441, 20432..20920, 20433..20921, 25053..25289, 25057..25359, 25353..25841, 25357..25842, 29343..29648, 29345..29656, 29646..29693, 30081..30155, 30082..30156, 30217..30348, 30237..30509, 30238..30510		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o2.tw	Method	TBLASTX:Wheat
Start	12981	End	30288
GI	none	Score	153
Exons	12981..13172, 13094..13279, 14975..15040, 15026..15196, 19942..20088, 19951..20097, 20288..20314, 20289..20441, 20421..20552, 20441..20554, 20562..20699, 25066..25359, 25107..25190, 25179..25283, 25357..25461, 25465..25617, 25566..25607, 29358..29636, 29364..29414, 29471..29653, 29628..29693, 30082..30123, 30085..30126, 30220..30288, 30238..30288		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o4.tm	Method	TBLASTX:Maize
Start	13020	End	29702
GI	none	Score	131
Exons	13020..13184, 13079..13183, 13175..13294, 13176..13277, 13266..13328, 19981..20097, 19981..20127, 20289..20438, 25105..25350, 25111..25347, 29394..29702, 29405..29662		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o1.tm	Method	TBLASTX:Maize
Start	14977	End	30498
GI	none	Score	275
Exons	14977..15267, 14978..15268, 15272..15391, 15274..15390, 20439..20786, 20441..20785, 20790..20909, 20792..20881, 25357..25710, 25359..25709, 25708..25827, 25710..25826, 30084..30152, 30085..30159, 30211..30327, 30237..30374,		

30238..30375, 30384..30446, 30384..30497, 30385..30498

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o6.tm	Method	TBLASTX:Maize
Start	15392	End	30660
GI	none	Score	209
Exons	15392..15559, 15394..15558, 15661..15699, 20910..21062, 20918..21052, 25828..26001, 25830..26003, 25992..26036, 30499..30660, 30564..30629		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o8.tm	Method	TBLASTX:Maize
Start	32706	End	34230
GI	none	Score	125
Exons	32706..32825, 32711..32830, 32711..32830, 32982..33098, 32982..33095, 32983..33099, 32983..33099, 33984..34043, 33988..34047, 33989..34036, 34156..34230		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o4.ts	Method	TBLASTX:Soybean
Start	35273	End	36318
GI	none	Score	134
Exons	35273..35365, 35275..35364, 35957..36136, 35958..36134, 36253..36318		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o4.tc	Method	TBLASTX:Cress
Start	35287	End	36318
GI	none	Score	110
Exons	35287..35364, 35923..36120, 35957..36136, 35958..36134, 36253..36318		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o5.tm	Method	TBLASTX:Maize
Start	35985	End	36330
GI	none	Score	228
Exons	35985..36134, 35986..36135, 35987..36136, 36252..36329, 36253..36330		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o14.gs	Method	GENSCAN
Start	41221	End	41372
GI	none	Score	.85
Exons	41221..41372		

Seq. No.	39476	Seq. ID	OJ000118_18.0322.C11
Gene No.	81551	Strand	+
Start	67	End	201
Name	OJ000118_18.0322.C11.o1.gs	Method	GENSCAN
Start	67	End	201
GI	none	Score	.9
Exons	67..201		

Seq. No.	39477	Seq. ID	OJ000118_18.0322.C12
Gene No.	81552	Strand	-
Start	1	End	757
Name	OJ000118_18.0322.C12.o1.np	Method	AAT/NAP
Start	1	End	757
GI	6721517	Score	910
Exons	1..65, 114..757		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	39477	Seq. ID	OJ000118_18.0322.C12
Gene No.	81552	Strand	-
Start	1	End	757
Name	OJ000118_18.0322.C12.o1.gs	Method	GENSCAN
Start	118	End	647
GI	none	Score	.66
Exons	118..212, 431..647		

Seq. No.	39477	Seq. ID	OJ000118_18.0322.C12
Gene No.	81552	Strand	-
Start	1	End	757
Name	OJ000118_18.0322.C12.o1.tw	Method	TBLASTX:Wheat
Start	354	End	719
GI	none	Score	125
Exons	354..434, 426..719, 538..714		

Seq. No.	39477	Seq. ID	OJ000118_18.0322.C12
Gene No.	81552	Strand	-
Start	1	End	757
Name	OJ000118_18.0322.C12.o1.tm	Method	TBLASTX:Maize
Start	447	End	716
GI	none	Score	64
Exons	447..716, 510..632, 535..699		

Seq. No.	39478	Seq. ID	OJ000208_10.0331.C2
Gene No.	81553	Strand	+
Start	5	End	268
Name	OJ000208_10.0331.C2.o1.gs	Method	GENSCAN
Start	5	End	268
GI	none	Score	.85
Exons	5..268		

Seq. No.	39478	Seq. ID	OJ000208_10.0331.C2
Gene No.	81554	Strand	-
Start	2159	End	2846
Name	OJ000208_10.0331.C2.o2.gs	Method	GENSCAN
Start	2159	End	2737
GI	none	Score	.98
Exons	2159..2737		

Seq. No.	39478	Seq. ID	OJ000208_10.0331.C2
Gene No.	81554	Strand	-
Start	2159	End	2846
Name	OJ000208_10.0331.C2.o1.np	Method	AAT/NAP
Start	2162	End	2846
GI	6006375	Score	856
Exons	2162..2846		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	39479	Seq. ID	OJ000208_10.0331.C3
Gene No.	81555	Strand	+
Start	1	End	762
Name	OJ000208_10.0331.C3.o1.gp	Method	AAT/GAP
Start	1	End	699
GI	25874_1.R1084	Score	477
Exons	1..69, 149..256, 345..438, 673..699		
GI Descrip.	'3258569 5.0e-14 (U89959) Similar to yeast general negative regulator of transcription subunit 1 [Arabidopsis thaliana]'		

Seq. No.	39479	Seq. ID	OJ000208_10.0331.C3
Gene No.	81555	Strand	+
Start	1	End	762
Name	OJ000208_10.0331.C3.o1.gs	Method	GENSCAN
Start	149	End	762
GI	none	Score	.79
Exons	149..256, 345..431, 655..762		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.tm	Method	TBLASTX:Maize
Start	324	End	1326
GI	none	Score	253
Exons	324..485, 331..507, 343..492, 586..771, 593..823, 600..788, 873..971, 875..982, 877..1005, 1163..1291, 1173..1292, 1179..1292, 1180..1296, 1180..1326		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.np	Method	AAT/NAP
Start	342	End	1838
GI	3258569	Score	625
Exons	342..495, 594..785, 878..980, 1160..1300, 1583..1838		
GI Descrip.	(U89959) Similar to yeast general negative regulator of transcription subunit 1 [Arabidopsis thaliana]		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.gs	Method	GENSCAN
Start	379	End	1296
GI	none	Score	.89
Exons	379..495, 594..785, 878..982, 1168..1296		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4

Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.tc	Method	TBLASTX:Cress
Start	433	End	1269
GI	none	Score	90
Exons	433..507, 435..497, 594..788, 599..784, 875..952, 877..951, 1195..1269		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.tw	Method	TBLASTX:Wheat
Start	435	End	1218
GI	none	Score	82
Exons	435..497, 436..507, 581..784, 594..788, 598..792, 875..982, 875..937, 876..974, 877..981, 1179..1217, 1180..1218		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.gp	Method	AAT/GAP
Start	686	End	1309
GI	60824_1.R1084	Score	620
Exons	686..785, 878..982, 1168..1309		
GI Descrip.	'3258569 1.0e-41 (U89959) Similar to yeast general negative regulator of transcription subunit 1 [Arabidopsis thaliana]'		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.ts	Method	TBLASTX:Soybean
Start	698	End	1301
GI	none	Score	151
Exons	698..784, 699..788, 875..982, 877..981, 1156..1296, 1185..1301, 1227..1298		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81557	Strand	+
Start	1	End	1026
Name	OJ000208_10.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	250
GI	4836877	Score	168
Exons	1..250		
GI Descrip.	(AC007260) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81557	Strand	+
Start	1	End	1026
Name	OJ000208_10.0331.C8.o1.gs	Method	GENSCAN
Start	116	End	1026
GI	none	Score	.49
Exons	116..152, 938..1026		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81558	Strand	+
Start	1429	End	2244

09620392 .071900

Name	OJ000208_10.0331.C8.o2.np	Method	AAT/NAP
Start	1423	End	2244
GI	629561	Score	262
Exons	1423..1682, 1910..2244		
GI Descrip.	SRG1 protein - Arabidopsis thaliana gi|479047|emb|CAA55654| (X79052) SRG1 [Arabidopsis thaliana] gi|5734767|gb|AAD50032.1|AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81558	Strand	+
Start	1429	End	2244
Name	OJ000208_10.0331.C8.o2.gs	Method	GENSCAN
Start	1429	End	2161
GI	none	Score	.49
Exons	1429..1572, 1910..2161		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o2.tm	Method	TBLASTX:Maize
Start	5	End	253
GI	none	Score	243
Exons	5..253, 13..252		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o1.tc	Method	TBLASTX:Cress
Start	8	End	2158
GI	none	Score	102
Exons	8..160, 1551..1691, 1895..2158, 1909..2157		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o1.gp	Method	AAT/GAP
Start	982	End	1379
GI	none	Score	762
Exons	982..1379		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o1.tm	Method	TBLASTX:Maize
Start	1452	End	2163
GI	none	Score	70
Exons	1452..1520, 1453..1518, 1498..1677, 1535..1678, 1536..1691, 1666..1734, 1859..2158, 1907..2158, 1909..2163		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o1.ts	Method	TBLASTX:Soybean
Start	1584	End	2227
GI	none	Score	44
Exons	1584..1637, 1635..1691, 1895..2227, 1907..2122, 1909..2172		

Seq. No.	39482	Seq. ID	OJ000208_10.0331.C9
Gene No.	81560	Strand	+
Start	454	End	1322
Name	OJ000208_10.0331.C9.o1.np	Method	AAT/NAP
Start	454	End	1322
GI	1175647	Score	153
Exons	454..679, 1263..1322		
GI Descrip.	CYTOCHROME C BIOGENESIS PROTEIN CCSA gi|1363550|pir||S58614 cytochrome c-type synthesis protein homolog - maize chloroplast gi|902283|emb|CAA60348.1| (X86563) ORF321 [Zea mays]		

Seq. No.	39482	Seq. ID	OJ000208_10.0331.C9
Gene No.	81561	Strand	-
Start	623	End	836
Name	OJ000208_10.0331.C9.o1.gs	Method	GENSCAN
Start	623	End	836
GI	none	Score	.66
Exons	623..645, 779..836		

Seq. No.	39483	Seq. ID	OJ000208_10.0331.C10
Gene No.	81562	Strand	+
Start	379	End	464
Name	OJ000208_10.0331.C10.o1.gp	Method	AAT/GAP
Start	379	End	464
GI	none	Score	170
Exons	379..464		

Seq. No.	39483	Seq. ID	OJ000208_10.0331.C10
Gene No.	81563	Strand	+
Start	1052	End	1377
Name	OJ000208_10.0331.C10.o1.np	Method	AAT/NAP
Start	1052	End	1377
GI	7287999	Score	48
Exons	1052..1117, 1205..1377		
GI Descrip.	(AL138646) enoyl-CoA-hydratase-like protein [Arabidopsis thaliana]		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81564	Strand	+
Start	298	End	888
Name	OJ000208_10.0331.C11.o1.gp	Method	AAT/GAP
Start	298	End	888
GI	23551_1.R1084	Score	864
Exons	298..685, 709..888		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome'		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81564	Strand	+
Start	298	End	888
Name	OJ000208_10.0331.C11.o1.gs	Method	GENSCAN
Start	466	End	515
GI	none	Score	.58
Exons	466..515		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11

Gene No.	81565	Strand	-
Start	1237	End	1602
Name	OJ000208_10.0331.C11.o2.gp	Method	AAT/GAP
Start	1237	End	1602
GI	3409_1.R1084	Score	505
Exons	1237..1602		
GI Descrip.	'3281868/emb|CAA19764| 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81565	Strand	-
Start	1237	End	1602
Name	OJ000208_10.0331.C11.o3.gp	Method	AAT/GAP
Start	1237	End	1602
GI	3409_1.R1084	Score	503
Exons	1237..1602		
GI Descrip.	'3281868/emb|CAA19764| 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81566	Strand	-
Start	2726	End	3118
Name	OJ000208_10.0331.C11.o2.gs	Method	GENSCAN
Start	2726	End	3118
GI	none	Score	.72
Exons	2726..3118		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o1.np	Method	AAT/NAP
Start	3902	End	8163
GI	7444451	Score	4276
Exons	3902..8163		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	3917	End	4549
GI	none	Score	52
Exons	3917..4549, 3960..4127, 4031..4351, 4179..4355, 4422..4547		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o3.tc	Method	TBLASTX:Cress
Start	3926	End	4375
GI	none	Score	66
Exons	3926..4120, 4154..4276, 4155..4277, 4286..4375		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163

Name	OJ000208_10.0331.C11.o1.tm	Method	TBLASTX:Maize
Start	3959	End	4423
GI	none	Score	105
Exons	3959..4126, 3959..4246, 4197..4247, 4248..4382, 4253..4381, 4361..4423		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o2.tw	Method	TBLASTX:Wheat
Start	4313	End	4750
GI	none	Score	218
Exons	4313..4750, 4314..4745		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o5.tm	Method	TBLASTX:Maize
Start	4424	End	4616
GI	none	Score	210
Exons	4424..4615, 4425..4616		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o4.tc	Method	TBLASTX:Cress
Start	4616	End	4864
GI	none	Score	194
Exons	4616..4864		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o2.tm	Method	TBLASTX:Maize
Start	4685	End	5125
GI	none	Score	38
Exons	4685..5011, 4731..4778, 4821..5012, 5018..5125, 5034..5102		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o3.tw	Method	TBLASTX:Wheat
Start	4754	End	5257
GI	none	Score	61
Exons	4754..4927, 4919..5011, 5015..5257, 5034..5099, 5160..5240		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o2.ts	Method	TBLASTX:Soybean
Start	4928	End	5440
GI	5509260	Score	68
Exons	4928..5023, 4956..5015, 5018..5440, 5034..5288		
GI Descrip.	-		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-

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Start         3902                          End       8163
Name          OJ000208_10.0331.C11.o2.tc    Method    TBLASTX:Cress
Start         5039                          End       5308
GI            none                          Score     160
Exons         5039..5308, 5040..5294

Seq. No.      39484                         Seq. ID   OJ000208_10.0331.C11
Gene No.      81567                         Strand    -
Start         3902                          End       8163
Name          OJ000208_10.0331.C11.o7.tm    Method    TBLASTX:Maize
Start         5129                          End       5395
GI            none                          Score     103
Exons         5129..5395, 5169..5387

Seq. No.      39484                         Seq. ID   OJ000208_10.0331.C11
Gene No.      81567                         Strand    -
Start         3902                          End       8163
Name          OJ000208_10.0331.C11.o4.tw    Method    TBLASTX:Wheat
Start         5990                          End       6346
GI            none                          Score     80
Exons         5990..6346, 5991..6143, 6155..6325

Seq. No.      39484                         Seq. ID   OJ000208_10.0331.C11
Gene No.      81567                         Strand    -
Start         3902                          End       8163
Name          OJ000208_10.0331.C11.o1.tc    Method    TBLASTX:Cress
Start         6002                          End       6466
GI            none                          Score     95
Exons         6002..6466, 6180..6446

Seq. No.      39484                         Seq. ID   OJ000208_10.0331.C11
Gene No.      81567                         Strand    -
Start         3902                          End       8163
Name          OJ000208_10.0331.C11.o4.tm    Method    TBLASTX:Maize
Start         6017                          End       6350
GI            none                          Score     116
Exons         6017..6343, 6024..6350

Seq. No.      39484                         Seq. ID   OJ000208_10.0331.C11
Gene No.      81567                         Strand    -
Start         3902                          End       8163
Name          OJ000208_10.0331.C11.o3.ts    Method    TBLASTX:Soybean
Start         6020                          End       6451
GI            none                          Score     275
Exons         6020..6451

Seq. No.      39484                         Seq. ID   OJ000208_10.0331.C11
Gene No.      81567                         Strand    -
Start         3902                          End       8163
Name          OJ000208_10.0331.C11.o1.tw    Method    TBLASTX:Wheat
Start         6880                          End       7265
GI            none                          Score     77
Exons         6880..7260, 6897..7028, 6898..7215, 6899..7261, 7077..7265,
              7085..7261

Seq. No.      39484                         Seq. ID   OJ000208_10.0331.C11
Gene No.      81567                         Strand    -
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Start	3902	End	8163
Name	OJ000208_10.0331.C11.o6.tm	Method	TBLASTX:Maize
Start	6880	End	7170
GI	none	Score	99
Exons	6880..7170, 6881..7096		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o3.tm	Method	TBLASTX:Maize
Start	7636	End	8067
GI	none	Score	149
Exons	7636..7914, 7636..7938, 7987..8067		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o5.tw	Method	TBLASTX:Wheat
Start	7636	End	8070
GI	none	Score	60
Exons	7636..7815, 7840..8070, 7844..7939		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81568	Strand	+
Start	2951	End	3031
Name	OJ000208_10.0331.C14.o1.gp	Method	AAT/GAP
Start	2951	End	3031
GI	38012_1.R1084	Score	105
Exons	2951..3031		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81569	Strand	+
Start	3374	End	3493
Name	OJ000208_10.0331.C14.o3.np	Method	AAT/NAP
Start	3374	End	3493
GI	6815067	Score	61
Exons	3374..3493		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza sativa]		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81570	Strand	+
Start	3977	End	7062
Name	OJ000208_10.0331.C14.o3.gs	Method	GENSCAN
Start	3977	End	7062
GI	none	Score	.52
Exons	3977..4066, 4198..4360, 5162..5550, 5558..5868, 6001..6334, 6793..7062		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81570	Strand	+
Start	3977	End	7062
Name	OJ000208_10.0331.C14.o4.np	Method	AAT/NAP

Start	5237	End	7038
GI	4836877	Score	535
Exons	5237..5486, 5621..5868, 6001..6334, 6793..7038		
GI Descrip.	(AC007260) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.np	Method	AAT/NAP
Start	1	End	3505
GI	5923669	Score	1013
Exons	1..1983, 3431..3505		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.tm	Method	TBLASTX:Maize
Start	6	End	1946
GI	none	Score	65
Exons	6..458, 9..275, 132..452, 160..321, 168..548, 184..315, 360..761, 426..755, 459..863, 523..756, 660..1085, 808..1035, 828..1100, 963..1325, 1266..1670, 1366..1689, 1368..1670, 1380..1541, 1495..1689, 1545..1844, 1572..1760, 1623..1847, 1672..1914, 1785..1946, 1905..1946		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.tw	Method	TBLASTX:Wheat
Start	24	End	1712
GI	none	Score	106
Exons	24..494, 28..321, 381..785, 415..759, 714..1109, 1017..1406, 1021..1302, 1290..1712, 1449..1535		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.tc	Method	TBLASTX:Cress
Start	51	End	1973
GI	none	Score	65
Exons	51..176, 99..278, 117..512, 136..330, 159..596, 177..386, 360..467, 471..752, 471..899, 511..732, 537..692, 663..761, 771..1004, 774..890, 774..1208, 774..1079, 907..1056, 1077..1505, 1122..1349, 1377..1973, 1413..1661, 1683..1838, 1743..1967		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.ts	Method	TBLASTX:Soybean
Start	90	End	1844
GI	none	Score	82
Exons	90..461, 115..318, 393..764, 693..1085, 1023..1349, 1302..1673, 1369..1674, 1608..1844		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.gs	Method	GENSCAN
Start	264	End	2718
GI	none	Score	.66
Exons	264..2111, 2653..2718		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.np	Method	AAT/NAP
Start	2483	End	6030
GI	7242910	Score	65
Exons	2483..2574, 3052..3110, 3216..3497, 5995..6030		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.gs	Method	GENSCAN
Start	3087	End	3594
GI	none	Score	.8
Exons	3087..3196, 3276..3594		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.tm	Method	TBLASTX:Maize
Start	5230	End	6232
GI	none	Score	82
Exons	5230..5316, 5250..5297, 5398..5481, 5398..5481, 5436..5489, 5618..5881, 5618..5869, 5620..5880, 5996..6160, 5998..6162, 5999..6175, 6137..6232, 6146..6229		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.ts	Method	TBLASTX:Soybean
Start	5439	End	6834
GI	none	Score	62
Exons	5439..5489, 5618..5881, 5620..5868, 5999..6262, 6121..6261, 6272..6337, 6289..6339, 6787..6834		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.tc	Method	TBLASTX:Cress
Start	5439	End	7038
GI	none	Score	67
Exons	5439..5489, 5618..5896, 5620..5868, 6010..6114, 6113..6262, 6127..6261, 6278..6337, 6787..6879, 6946..7038		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o3.tm	Method	TBLASTX:Maize

Start	6787	End	7038
GI	none	Score	144
Exons	6787..6888, 6792..6887, 6923..7006, 6946..7014, 6951..7010, 7012..7038		

Seq. No.	39486	Seq. ID	OJ000208_10.0331.C20
Gene No.	81572	Strand	-
Start	1	End	256
Name	OJ000208_10.0331.C20.o1.gp	Method	AAT/GAP
Start	1	End	256
GI	none	Score	341
Exons	1..256		

Seq. No.	39486	Seq. ID	OJ000208_10.0331.C20
Gene No.	81573	Strand	-
Start	1265	End	1323
Name	OJ000208_10.0331.C20.o2.gp	Method	AAT/GAP
Start	1265	End	1323
GI	none	Score	118
Exons	1265..1323		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81574	Strand	+
Start	178	End	529
Name	OJ000208_10.0331.C21.o1.gp	Method	AAT/GAP
Start	178	End	529
GI	LIB3475-008-P1-K1-D3	Score	681
Exons	178..529		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81575	Strand	+
Start	3873	End	8829
Name	OJ000208_10.0331.C21.o2.np	Method	AAT/NAP
Start	3409	End	5337
GI	7340868	Score	38
Exons	3409..3440, 5164..5337		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81575	Strand	+
Start	3873	End	8829
Name	OJ000208_10.0331.C21.o2.gs	Method	GENSCAN
Start	3873	End	8085
GI	none	Score	.91
Exons	3873..3933, 5588..5702, 5842..5977, 6833..7133, 7224..7452, 7542..7881, 7972..8085		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81575	Strand	+
Start	3873	End	8829
Name	OJ000208_10.0331.C21.o3.np	Method	AAT/NAP
Start	5853	End	8829
GI	3258569	Score	419
Exons	5853..5986, 6938..7144, 7235..7452, 7542..7881, 8638..8829		
GI Descrip.	(U89959) Similar to yeast general negative regulator of		

transcription subunit 1 [Arabidopsis thaliana]

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81576	Strand	-
Start	489	End	2042
Name	OJ000208_10.0331.C21.o1.np	Method	AAT/NAP
Start	489	End	2042
GI	7485395	Score	175
Exons	489..593, 958..1064, 1487..1581, 1824..1867, 1956..2042		
GI Descrip.	hypothetical protein F12C20.13 - Arabidopsis thaliana gi|3426043|gb|AAC32242.1| (AC005168) putative choline kinase [Arabidopsis thaliana]		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81577	Strand	
Start	8402	End	8765
Name	OJ000208_10.0331.C21.o1.tm	Method	TBLASTX:Maize
Start	8402	End	8765
GI	none	Score	123
Exons	8402..8482, 8403..8489, 8405..8491, 8424..8558, 8487..8549, 8623..8763, 8623..8763, 8637..8765, 8643..8765		

Seq. No.	39488	Seq. ID	OJ000208_10.0331.C23
Gene No.	81578	Strand	+
Start	1	End	1138
Name	OJ000208_10.0331.C23.o1.np	Method	AAT/NAP
Start	1	End	1138
GI	3258569	Score	74
Exons	1..35, 671..811, 1055..1138		
GI Descrip.	(U89959) Similar to yeast general negative regulator of transcription subunit 1 [Arabidopsis thaliana]		

Seq. No.	39488	Seq. ID	OJ000208_10.0331.C23
Gene No.	81578	Strand	+
Start	1	End	1138
Name	OJ000208_10.0331.C23.o1.tm	Method	TBLASTX:Maize
Start	670	End	823
GI	none	Score	98
Exons	670..795, 670..789, 671..823, 671..796		

Seq. No.	39488	Seq. ID	OJ000208_10.0331.C23
Gene No.	81578	Strand	+
Start	1	End	1138
Name	OJ000208_10.0331.C23.o1.gs	Method	GENSCAN
Start	671	End	797
GI	none	Score	.7
Exons	671..797		

Seq. No.	39489	Seq. ID	OJ000208_10.0331.C25
Gene No.	81579	Strand	+
Start	856	End	1124
Name	OJ000208_10.0331.C25.o1.gp	Method	AAT/GAP
Start	856	End	1046
GI	5005274	Score	335
Exons	856..1046		

Seq. No.	39489	Seq. ID	OJ000208_10.0331.C25

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Gene No.     81579                          Strand     +
Start        856                            End        1124
Name         OJ000208_10.0331.C25.o1.gs     Method     GENSCAN
Start        924                            End        1124
GI           none                           Score      .85
Exons        924..1124

Seq. No.     39490                          Seq. ID    OJ000208_10.0331.C26
Gene No.     81580                          Strand     +
Start        245                            End        347
Name         OJ000208_10.0331.C26.o1.gs     Method     GENSCAN
Start        245                            End        347
GI           none                           Score      .97
Exons        245..347

Seq. No.     39490                          Seq. ID    OJ000208_10.0331.C26
Gene No.     81581                          Strand     +
Start        1783                           End        2052
Name         OJ000208_10.0331.C26.o1.np     Method     AAT/NAP
Start        1783                           End        2052
GI           6714453                        Score      228
Exons        1783..2052
GI Descrip.  (AC011620) unknown protein [Arabidopsis thaliana]

Seq. No.     39490                          Seq. ID    OJ000208_10.0331.C26
Gene No.     81582                          Strand     +
Start        3132                           End        88
Name         OJ000208_10.0331.C26.o3.np     Method     AAT/NAP
Start        3132                           End        8809
GI           6069646                        Score      920
Exons        3132..3186, 3415..3578, 6740..7535, 7818..8809
GI Descrip.  (AP000616) similar to putative reverse transcripta    (AC005315)
             [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP0011      imilar to
             Arabidopsis thaliana chromosome II BAC F9O13 genc      equence,
             putative non-LTR retroelement reverse transcripta      (AC006248)
             [Oryza sativa]

Seq. No.     39490                          Seq. ID    OJ000208_10.0331.C26
Gene No.     81582                          Strand     +
Start        3132                           End        8809
Name         OJ000208_10.0331.C26.o3.gs     Method     GENSCAN
Start        4542                           End        8347
GI           none                           Score      .52
Exons        4542..4633, 5258..5426, 5661..5711, 5922..6031, 6124. 8347

Seq. No.     39490                                                 1.C26
Gene No.     81583                          Stra
Start        2385                           End        3993
Name         OJ000208_10.03    6.o2.gs      Method     GENSCAN
Start        2385                           End        3452
GI           none                           Score      .98
Exons        2385..3452

Seq. No.     39490                          Seq. ID    OJ000208_1      1.C26
Gene No.     81583                          Strand     -
Start        2385                           End        3993
Name         OJ000208_10.0331.C26.o2.np     Method     AAT/NAP
```

Start	2388	End	3952
GI	7488133	Score	704
Exons	2388..3455, 3905..3952		
GI Descrip.	probable metalloproteinase (EC 3.4.24.-) - Arabidopsis thaliana gi|2245019|emb|CAB10439.1| (Z97341) proteinase like protein [Arabidopsis thaliana] gi|7268414|emb|CAB78706.1| (AL161544) proteinase like protein [Arabidopsis thaliana]		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81583	Strand	-
Start	2385	End	3993
Name	OJ000208_10.0331.C26.o1.gp	Method	AAT/GAP
Start	3612	End	3993
GI	2428577	Score	711
Exons	3612..3993		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81584	Strand	-
Start	8584	End	9119
Name	OJ000208_10.0331.C26.o4.np	Method	AAT/NAP
Start	8584	End	9119
GI	6498457	Score	79
Exons	8584..8800, 9050..9119		
GI Descrip.	(AP000816) EST AU032536(S10696) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81585	Strand	-
Start	9101	End	11118
Name	OJ000208_10.0331.C26.o4.gs	Method	GENSCAN
Start	9101	End	11118
GI	none	Score	.98
Exons	9101..9962, 11066..11118		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81586	Strand	-
Start	12119	End	12988
Name	OJ000208_10.0331.C26.o5.gs	Method	GENSCAN
Start	12119	End	12988
GI	none	Score	.84
Exons	12119..12988		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81586	Strand	-
Start	12119	End	12988
Name	OJ000208_10.0331.C26.o5.np	Method	AAT/NAP
Start	12169	End	12891
GI	4895247	Score	361
Exons	12169..12595, 12632..12891		
GI Descrip.	(AC007659) putative metalloproteinase [Arabidopsis thaliana]		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o6.tm	Method	TBLASTX:Maize
Start	1762	End	2094
GI	none	Score	45

Exons	1762..1803, 1766..1792, 1816..1848, 1843..2055, 1845..2054, 1867..2094, 1871..2056		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o3.ts	Method	TBLASTX:Soybean
Start	1768	End	2001
GI	none	Score	217
Exons	1768..2001, 1797..2000		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o3.tc	Method	TBLASTX:Cress
Start	1801	End	2056
GI	none	Score	236
Exons	1801..2049, 1818..2048, 1886..2056		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o1.tc	Method	TBLASTX:Cress
Start	2464	End	14762
GI	none	Score	249
Exons	2464..2880, 2499..2879, 2988..3035, 3096..3218, 9272..9331, 9273..9338, 9347..9442, 9347..9436, 9473..9538, 9605..9700, 9779..9814, 12278..12538, 12288..12521, 12539..12568, 12647..12739, 12821..12856, 14205..14522, 14224..14367, 14592..14648, 14724..14762		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o9.tm	Method	TBLASTX:Maize
Start	2499	End	14372
GI	none	Score	156
Exons	2499..2702, 2508..2663, 9246..9332, 9272..9331, 9347..9433, 9348..9425, 12278..12373, 12288..12467, 12290..12493, 14208..14372, 14224..14367		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o1.ts	Method	TBLASTX:Soybean
Start	2505	End	14531
GI	none	Score	96
Exons	2505..2702, 2587..2676, 2691..2879, 2692..2862, 2958..3047, 3099..3227, 3100..3228, 9272..9331, 9347..9433, 9348..9425, 9698..9814, 12296..12466, 12297..12467, 12743..12856, 14214..14372, 14239..14367, 14418..14531		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o1.tw	Method	TBLASTX:Wheat
Start	2598	End	14795

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GI          none                          Score    75
Exons       2598..2666, 2610..2678, 2614..2676, 2691..2873, 2695..2868,
            2946..3032, 3099..3311, 3099..3311, 9351..9425, 9353..9433,
            9353..9433, 9479..9511, 9479..9538, 9605..9655, 9605..9742,
            9729..9782, 9749..9814, 12386..12466, 12402..12476,
            12647..12784, 12791..12868, 14304..14372, 14323..14367,
            14418..14522, 14418..14531, 14592..14642, 14772..14795

Seq. No.    39490                         Seq. ID  OJ000208_10.0331.C26
Gene No.    81587                         Strand   -
Start       14115                         End      17228
Name        OJ000208_10.0331.C26.o5.tm    Method   TBLASTX:Maize
Start       6125                          End      6561
GI          none                          Score    290
Exons       6125..6556, 6253..6360, 6415..6561

Seq. No.    39490                         Seq. ID  OJ000208_10.0331.C26
Gene No.    81587                         Strand   -
Start       14115                         End      17228
Name        OJ000208_10.0331.C26.o3.tw    Method   TBLASTX:Wheat
Start       6632                          End      6967
GI          none                          Score    98
Exons       6632..6766, 6647..6715, 6761..6967, 6787..6957

Seq. No.    39490                         Seq. ID  OJ000208_10.0331.C26
Gene No.    81587                         Strand   -
Start       14115                         End      17228
Name        OJ000208_10.0331.C26.o1.tm    Method   TBLASTX:Maize
Start       6713                          End      7138
GI          none                          Score    439
Exons       6713..7138, 6739..7137

Seq. No.    39490                         Seq. ID  OJ000208_10.0331.C26
Gene No.    81587                         Strand   -
Start       14115                         End      17228
Name        OJ000208_10.0331.C26.o2.tm    Method   TBLASTX:Maize
Start       7138                          End      7753
GI          none                          Score    386
Exons       7138..7341, 7142..7753

Seq. No.    39490                         Seq. ID  OJ000208_10.0331.C26
Gene No.    81587                         Strand   -
Start       14115                         End      17228
Name        OJ000208_10.0331.C26.o2.tw    Method   TBLASTX:Wheat
Start       7397                          End      7834
GI          none                          Score    220
Exons       7397..7690, 7429..7659, 7676..7834, 7741..7833

Seq. No.    39490                         Seq. ID  OJ000208_10.0331.C26
Gene No.    81587                         Strand   -
Start       14115                         End      17228
Name        OJ000208_10.0331.C26.o8.tm    Method   TBLASTX:Maize
Start       7756                          End      7990
GI          none                          Score    222
Exons       7756..7989, 7757..7990

Seq. No.    39490                         Seq. ID  OJ000208_10.0331.C26
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Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o4.tw	Method	TBLASTX:Wheat
Start	7991	End	8383
GI	none	Score	103
Exons	7991..8131, 8231..8383		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o3.tm	Method	TBLASTX:Maize
Start	8323	End	8602
GI	none	Score	122
Exons	8323..8532, 8323..8532, 8333..8602, 8333..8539		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o6.np	Method	AAT/NAP
Start	14083	End	16148
GI	4895247	Score	401
Exons	14083..14763, 16054..16148		
GI Descrip.	(AC007659) putative metalloproteinase [Arabidopsis thaliana]		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o6.gs	Method	GENSCAN
Start	14115	End	14900
GI	none	Score	1
Exons	14115..14900		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o7.gs	Method	GENSCAN
Start	15625	End	17201
GI	none	Score	.82
Exons	15625..15870, 16013..16337, 16565..16782, 16968..17201		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o7.np	Method	AAT/NAP
Start	15628	End	17228
GI	4836877	Score	627
Exons	15628..15870, 16013..16337, 16535..16782, 16968..17228		
GI Descrip.	(AC007260) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o4.tm	Method	TBLASTX:Maize
Start	15647	End	16046
GI	none	Score	244
Exons	15647..15886, 15652..15900, 16014..16046		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o2.tc	Method	TBLASTX:Cress
Start	15733	End	17138
GI	none	Score	75
Exons	15733..15885, 15788..15886, 16010..16216, 16014..16211, 16022..16216, 16534..16779, 16965..17138		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o2.ts	Method	TBLASTX:Soybean
Start	15829	End	16779
GI	none	Score	103
Exons	15829..15885, 16010..16339, 16017..16211, 16504..16779		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o7.tm	Method	TBLASTX:Maize
Start	16046	End	17199
GI	none	Score	57
Exons	16046..16126, 16052..16111, 16109..16198, 16122..16169, 16178..16339, 16178..16339, 16246..16347, 16527..16778, 16528..16779, 16535..16783, 16570..16788, 16965..17156, 16966..17175, 17154..17198, 17155..17199		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81588	Strand	+
Start	3210	End	6752
Name	OJ000208_10.0331.C30.o1.gp	Method	AAT/GAP
Start	3046	End	3304
GI	568621	Score	506
Exons	3046..3304		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81588	Strand	+
Start	3210	End	6752
Name	OJ000208_10.0331.C30.o1.gs	Method	GENSCAN
Start	3210	End	4552
GI	none	Score	.74
Exons	3210..3623, 3805..4194, 4280..4552		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81588	Strand	+
Start	3210	End	6752
Name	OJ000208_10.0331.C30.o2.np	Method	AAT/NAP
Start	3377	End	6752
GI	2959732	Score	414
Exons	3377..3606, 3811..3870, 3922..4444, 6727..6752		
GI Descrip.	(Y13649) homologous to GATA-binding transcription factors [Arabidopsis thaliana] gi|4895246|gb|AAD32831.1|AC007659_13 (AC007659) putative GATA-type zinc finger transcription factor [Arabidopsis thaliana]		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81589	Strand	-
Start	1	End	1597
Name	OJ000208_10.0331.C30.o1.np	Method	AAT/NAP
Start	1	End	1597
GI	93557	Score	46
Exons	1..157, 194..335, 1536..1597		
GI Descrip.	ORF1 protein - rice tungro bacilliform virus		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81590	Strand	-
Start	4472	End	4859
Name	OJ000208_10.0331.C30.o2.gp	Method	AAT/GAP
Start	4472	End	4859
GI	55714_1.R1084	Score	708
Exons	4472..4859		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 4.0e-17 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81591	Strand	-
Start	5860	End	6381
Name	OJ000208_10.0331.C30.o1.tc	Method	TBLASTX:Cress
Start	3799	End	4426
GI	none	Score	92
Exons	3799..3870, 4210..4269, 4231..4395, 4262..4426		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81591	Strand	-
Start	5860	End	6381
Name	OJ000208_10.0331.C30.o1.tm	Method	TBLASTX:Maize
Start	4194	End	4426
GI	none	Score	78
Exons	4194..4268, 4204..4269, 4231..4395, 4262..4426		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81591	Strand	-
Start	5860	End	6381
Name	OJ000208_10.0331.C30.o1.ts	Method	TBLASTX:Soybean
Start	4194	End	4426
GI	none	Score	78
Exons	4194..4268, 4204..4269, 4231..4395, 4262..4426		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81591	Strand	-
Start	5860	End	6381
Name	OJ000208_10.0331.C30.o2.gs	Method	GENSCAN
Start	5860	End	6381
GI	none	Score	.83
Exons	5860..5936, 6285..6381		

Seq. No.	39492	Seq. ID	OJ000208_10.0331.C31
Gene No.	81592	Strand	-
Start	329	End	804
Name	OJ000208_10.0331.C31.o1.gp	Method	AAT/GAP
Start	329	End	804
GI	3759017	Score	878

Exons	329..804		
GI Descrip.	5441876/dbj|AP000367.1|AP000367 4.0e-17 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81593	Strand	+
Start	874	End	1115
Name	OJ000118_14.0331.C1.o1.gs	Method	GENSCAN
Start	874	End	1115
GI	none	Score	.87
Exons	874..987, 1092..1115		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81594	Strand	+
Start	4810	End	11926
Name	OJ000118_14.0331.C1.o3.gs	Method	GENSCAN
Start	4810	End	11926
GI	none	Score	.66
Exons	4810..5053, 5135..5397, 5495..6056, 7061..7209, 7523..7730, 7850..8133, 8288..9386, 10309..10439, 10518..10874, 11309..11642, 11736..11926		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81595	Strand	+
Start	15586	End	16023
Name	OJ000118_14.0331.C1.o4.gs	Method	GENSCAN
Start	15586	End	16023
GI	none	Score	.76
Exons	15586..16023		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81596	Strand	+
Start	27260	End	27342
Name	OJ000118_14.0331.C1.o4.np	Method	AAT/NAP
Start	27260	End	27342
GI	6630699	Score	84
Exons	27260..27342		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81597	Strand	+
Start	27476	End	28982
Name	OJ000118_14.0331.C1.o5.np	Method	AAT/NAP
Start	27476	End	28982
GI	6539570	Score	159
Exons	27476..27669, 27829..27895, 28923..28982		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81598	Strand	-
Start	2260	End	24227
Name	OJ000118_14.0331.C1.o2.gs	Method	GENSCAN
Start	2260	End	4432
GI	none	Score	.61
Exons	2260..2811, 2890..3011, 3087..3245, 3544..3830, 3975..4175,		

4362..4432

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81598	Strand	-
Start	2260	End	24227
Name	OJ000118_14.0331.C1.o3.np	Method	AAT/NAP
Start	3533	End	24227
GI	6498458	Score	71
Exons	3533..3918, 5787..5985, 17601..17676, 23833..24227		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81598	Strand	-
Start	2260	End	24227
Name	OJ000118_14.0331.C1.o5.gs	Method	GENSCAN
Start	20149	End	24146
GI	none	Score	.54
Exons	20149..20173, 22773..22859, 23494..23632, 23798..24146		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81599	Strand	-
Start	25684	End	27669
Name	OJ000118_14.0331.C1.o1.tm	Method	TBLASTX:Maize
Start	2278	End	3187
GI	none	Score	124
Exons	2278..2361, 2566..2595, 2707..2778, 2770..2814, 2890..3180, 2893..3186, 2942..3187		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81599	Strand	-
Start	25684	End	27669
Name	OJ000118_14.0331.C1.o6.gs	Method	GENSCAN
Start	25684	End	27669
GI	none	Score	.86
Exons	25684..25745, 27624..27669		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81600	Strand	-
Start	2794	End	2926
Name	OJ000118_14.0331.C2.o1.gp	Method	AAT/GAP
Start	2794	End	2926
GI	35479_1.R1084	Score	231
Exons	2794..2926		
GI Descrip.	'2982431/emb|CAA18239.1| 2.0e-31 (AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]'		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81601	Strand	-
Start	4890	End	15262
Name	OJ000118_14.0331.C2.o2.gs	Method	GENSCAN
Start	4890	End	15262
GI	none	Score	.52
Exons	4890..5258, 7445..7618, 8011..8053, 8245..8389, 8469..8577, 8858..8986, 9099..9195, 9803..9867, 10439..10797, 15049..15262		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81601	Strand	-

Start	4890	End	15262
Name	OJ000118_14.0331.C2.o2.tm	Method	TBLASTX:Maize
Start	7508	End	8387
GI	none	Score	169
Exons	7508..7618, 7509..7619, 7509..7619, 8011..8055, 8244..8387, 8245..8385, 8249..8386		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81601	Strand	-
Start	4890	End	15262
Name	OJ000118_14.0331.C2.o1.np	Method	AAT/NAP
Start	8231	End	9891
GI	1176814	Score	308
Exons	8231..8389, 8469..8577, 8858..8986, 9099..9195, 9803..9891		
GI Descrip.	HYPOTHETICAL 31.3 KD PROTEIN IN AGAI-MTR INTERGENIC REGION (F286) gi|606086|gb|AAA57949.1| (U18997) ORF_f286 [Escherichia coli] gi|1789535 (AE000395) orf, hypothetical protein [Escherichia coli]		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81601	Strand	-
Start	4890	End	15262
Name	OJ000118_14.0331.C2.o1.tm	Method	TBLASTX:Maize
Start	8856	End	9869
GI	none	Score	125
Exons	8856..8957, 8858..8986, 8859..8945, 9023..9070, 9078..9197, 9093..9197, 9094..9201, 9100..9201, 9802..9867, 9803..9868, 9804..9869		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o1.np	Method	AAT/NAP
Start	1863	End	5075
GI	7485827	Score	190
Exons	1863..2010, 2747..2950, 3498..3761, 5053..5075		
GI Descrip.	hypothetical protein F20B18.110 - Arabidopsis thaliana gi|4538929|emb|CAB39665.1| (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana] gi|7269451|emb|CAB79455.1| (AL161564) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o2.gs	Method	GENSCAN
Start	2636	End	11138
GI	none	Score	.64
Exons	2636..2950, 3498..3729, 5292..5443, 5553..6260, 6404..6595, 8030..8161, 8701..8854, 9221..10439, 11057..11138		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o4.np	Method	AAT/NAP
Start	5280	End	10536
GI	7485993	Score	414

Exons	5280..5344, 9448..10149, 10327..10536		
GI Descrip.	hypothetical protein F22O13.31 - Arabidopsis thaliana gi|3063469|gb|AAC14057.1| (AC003981) F22O13.31 [Arabidopsis thaliana]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o2.np	Method	AAT/NAP
Start	5292	End	7868
GI	7485827	Score	80
Exons	5292..5438, 5638..5839, 6350..6595, 7850..7868		
GI Descrip.	hypothetical protein F20B18.110 - Arabidopsis thaliana gi|4538929|emb|CAB39665.1| (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana] gi|7269451|emb|CAB79455.1| (AL161564) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o1.gp	Method	AAT/GAP
Start	8743	End	9107
GI	none	Score	508
Exons	8743..9107		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o2.gp	Method	AAT/GAP
Start	9224	End	10030
GI	31987_1.R1084	Score	1582
Exons	9224..10030		
GI Descrip.	'3063469 2.0e-25 (AC003981) F22O13.31 [Arabidopsis thaliana]'		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o3.gp	Method	AAT/GAP
Start	10228	End	11459
GI	none	Score	1253
Exons	10228..10556, 11057..11459		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81603	Strand	+
Start	13279	End	15285
Name	OJ000118_14.0331.C4.o5.np	Method	AAT/NAP
Start	12694	End	15282
GI	6579208	Score	402
Exons	12694..12797, 14024..14311, 14403..14533, 14607..14822, 14902..15282		
GI Descrip.	(AC011438) T23G18.9 [Arabidopsis thaliana]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81603	Strand	+
Start	13279	End	15285
Name	OJ000118_14.0331.C4.o3.gs	Method	GENSCAN

Start	13279	End	15285
GI	none	Score	.9
Exons	13279..13357, 14024..14311, 14403..14533, 14607..14822, 14902..15285		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81604	Strand	+
Start	15539	End	16060
Name	OJ000118_14.0331.C4.o4.gp	Method	AAT/GAP
Start	15539	End	16060
GI	none	Score	980
Exons	15539..16060		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81605	Strand	+
Start	25107	End	26414
Name	OJ000118_14.0331.C4.o6.gs	Method	GENSCAN
Start	25107	End	26414
GI	none	Score	.89
Exons	25107..25128, 25567..25796, 25995..26136, 26278..26414		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81606	Strand	-
Start	745	End	2050
Name	OJ000118_14.0331.C4.o1.gs	Method	GENSCAN
Start	745	End	2050
GI	none	Score	.61
Exons	745..927, 1081..1214, 1960..2050		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81607	Strand	-
Start	15812	End	18205
Name	OJ000118_14.0331.C4.o4.gs	Method	GENSCAN
Start	15812	End	18181
GI	none	Score	1
Exons	15812..18181		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81607	Strand	-
Start	15812	End	18205
Name	OJ000118_14.0331.C4.o6.np	Method	AAT/NAP
Start	15815	End	18205
GI	7487007	Score	1650
Exons	15815..16961, 17010..17212, 17264..18205		
GI Descrip.	hypothetical protein T14P8.16 - Arabidopsis thaliana gi|3193284|gb|AAC19268.1| (AF069298) T14P8.16 gene product [Arabidopsis thaliana] gi|7268995|emb|CAB80728.1| (AL161494) AT4g02350 [Arabidopsis thaliana]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81607	Strand	-
Start	15812	End	18205
Name	OJ000118_14.0331.C4.o5.gp	Method	AAT/GAP
Start	16331	End	16856
GI	LIB3434-015-P1-K1-G9	Score	983
Exons	16331..16856		
GI Descrip.	'3193284 2.0e-36 (AF069298) No definition line found		

[Arabidopsis thaliana]'

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81607	Strand	-
Start	15812	End	18205
Name	OJ000118_14.0331.C4.o6.gp	Method	AAT/GAP
Start	16845	End	17582
GI	31041_1.R1084	Score	1442
Exons	16845..17582		
GI Descrip.	'3193284 1.0e-52 (AF069298) No definition line found [Arabidopsis thaliana]'		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o9.tm	Method	TBLASTX:Maize
Start	5542	End	5954
GI	none	Score	127
Exons	5542..5706, 5550..5675, 5702..5797, 5703..5816, 5703..5816, 5779..5802, 5796..5864, 5817..5864, 5845..5886, 5892..5954, 5893..5952, 5906..5953		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o8.tm	Method	TBLASTX:Maize
Start	7990	End	8926
GI	none	Score	62
Exons	7990..8043, 7994..8044, 8000..8062, 8030..8107, 8606..8668, 8607..8687, 8663..8917, 8664..8918, 8668..8925, 8672..8926		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o1.tm	Method	TBLASTX:Maize
Start	9094	End	10514
GI	none	Score	34
Exons	9094..9120, 9221..9307, 9222..9599, 9223..9585, 9407..9628, 9526..9648, 9594..9665, 9643..9987, 9646..9990, 10057..10209, 10057..10185, 10064..10198, 10327..10506, 10339..10476, 10341..10502, 10347..10514		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o4.tc	Method	TBLASTX:Cress
Start	9718	End	10518
GI	none	Score	225
Exons	9718..9981, 9733..9927, 10333..10518, 10356..10508		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o5.ts	Method	TBLASTX:Soybean
Start	9718	End	9978
GI	none	Score	230
Exons	9718..9978, 9724..9930		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o5.tc	Method	TBLASTX:Cress
Start	13717	End	15140
GI	none	Score	65
Exons	13717..13770, 14411..14542, 14598..14804, 14974..15126, 14976..15140		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o3.ts	Method	TBLASTX:Soybean
Start	14149	End	14810
GI	none	Score	109
Exons	14149..14313, 14423..14542, 14598..14750, 14760..14810		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o12.tm	Method	TBLASTX:Maize
Start	14459	End	14825
GI	none	Score	46
Exons	14459..14506, 14601..14825, 14621..14812		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o11.tm	Method	TBLASTX:Maize
Start	14983	End	15285
GI	none	Score	113
Exons	14983..15090, 14983..15075, 14988..15077, 14996..15100, 15079..15123, 15085..15123, 15086..15124, 15133..15228, 15138..15242, 15247..15285, 15252..15284		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o4.tm	Method	TBLASTX:Maize
Start	15812	End	16741
GI	none	Score	164
Exons	15812..16054, 15816..16052, 16107..16406, 16115..16459, 16490..16618, 16613..16741		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o2.ts	Method	TBLASTX:Soybean
Start	15930	End	17020
GI	none	Score	87
Exons	15930..16040, 15935..16054, 16109..16459, 16112..16408, 16116..16415, 16442..16891, 16509..16589, 16623..16811, 16739..16888, 16845..16889, 16914..17009, 16916..17020		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-

Start	20588	End	24612
Name	OJ000118_14.0331.C4.o3.tm	Method	TBLASTX:Maize
Start	16743	End	17258
GI	none	Score	512
Exons	16743..17258, 16743..17252, 16745..17257		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o2.tc	Method	TBLASTX:Cress
Start	16787	End	17272
GI	none	Score	237
Exons	16787..17272, 16836..17270		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o6.tm	Method	TBLASTX:Maize
Start	17261	End	17630
GI	none	Score	208
Exons	17261..17623, 17261..17629, 17280..17630, 17316..17630		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o6.ts	Method	TBLASTX:Soybean
Start	17381	End	17620
GI	none	Score	107
Exons	17381..17620, 17418..17606		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o7.tm	Method	TBLASTX:Maize
Start	17750	End	18190
GI	none	Score	204
Exons	17750..18094, 17761..18030, 17861..18130, 18085..18135, 18158..18190		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o4.ts	Method	TBLASTX:Soybean
Start	17765	End	18124
GI	none	Score	141
Exons	17765..18094, 17861..18124		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o3.tc	Method	TBLASTX:Cress
Start	17789	End	18094
GI	none	Score	236
Exons	17789..18094		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-

Start	20588	End	24612
Name	OJ000118_14.0331.C4.o5.gs	Method	GENSCAN
Start	20588	End	24576
GI	none	Score	.81
Exons	20588..20681, 21122..21153, 21327..21440, 21524..21694, 21768..21831, 22246..22394, 22542..22595, 22700..22876, 22976..23254, 23423..23585, 24170..24576		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o7.np	Method	AAT/NAP
Start	21265	End	24612
GI	2425107	Score	1731
Exons	21265..21440, 21524..21694, 21768..21831, 22246..22394, 22542..22595, 22700..22876, 22976..23254, 23360..23585, 24170..24323, 24365..24612		
GI Descrip.	(AF019907) glutathione reductase (NADPH) [Vitis vinifera]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o5.tm	Method	TBLASTX:Maize
Start	21300	End	22735
GI	none	Score	152
Exons	21300..21443, 21301..21441, 21316..21444, 21333..21446, 21506..21685, 21524..21694, 21525..21707, 21741..21836, 21753..21836, 21772..21858, 22221..22394, 22239..22394, 22246..22395, 22246..22395, 22507..22602, 22509..22595, 22700..22735, 22706..22735		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o1.ts	Method	TBLASTX:Soybean
Start	21303	End	24318
GI	none	Score	102
Exons	21303..21443, 21327..21443, 21524..21685, 21524..21694, 21531..21707, 21741..21836, 21753..21836, 21772..21837, 22221..22394, 22234..22395, 22246..22395, 22248..22397, 22507..22596, 22509..22595, 22700..22876, 22704..22886, 22932..23240, 22952..23257, 23129..23257, 23357..23584, 23357..23584, 23361..23588, 23463..23585, 24184..24255, 24250..24318		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o1.tc	Method	TBLASTX:Cress
Start	21307	End	24318
GI	none	Score	121
Exons	21307..21441, 21312..21443, 21521..21616, 21524..21694, 21528..21707, 21753..21836, 21772..21837, 22221..22394, 22246..22395, 22509..22595, 22516..22599, 22700..22876, 22701..22886, 22932..23240, 22952..23257, 22976..23257, 23357..23584, 23358..23588, 23424..23585, 24164..24229, 24169..24255, 24232..24318, 24278..24307		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o7.gp	Method	AAT/GAP
Start	22225	End	22871
GI	2310074	Score	681
Exons	22225..22394, 22542..22595, 22700..22871		
GI Descrip.	3130064/emb|CAA06835| 1.0e-51 (AJ006055) glutathione reductase [Zea mays]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o1.tw	Method	TBLASTX:Wheat
Start	22353	End	23165
GI	none	Score	99
Exons	22353..22394, 22658..22780, 22769..22876, 22973..23164, 23040..23165		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o2.tm	Method	TBLASTX:Maize
Start	22736	End	23468
GI	none	Score	134
Exons	22736..22876, 22737..22886, 22738..22878, 22944..23240, 22952..23257, 22967..23257, 23357..23467, 23361..23468		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o10.tm	Method	TBLASTX:Maize
Start	24172	End	24321
GI	none	Score	66
Exons	24172..24321, 24173..24226, 24278..24307		

Seq. No.	39496	Seq. ID	OJ000118_14.0331.C5
Gene No.	81609	Strand	+
Start	93	End	659
Name	OJ000118_14.0331.C5.o1.gs	Method	GENSCAN
Start	93	End	659
GI	none	Score	.67
Exons	93..150, 382..659		

Seq. No.	39496	Seq. ID	OJ000118_14.0331.C5
Gene No.	81610	Strand	+
Start	3035	End	3099
Name	OJ000118_14.0331.C5.o1.gp	Method	AAT/GAP
Start	3035	End	3099
GI	uC-osroM202018c07b1	Score	105
Exons	3035..3099		
GI Descrip.	'3130064/emb|CAA06835| 1.0e-51 (AJ006055) glutathione reductase [Zea mays]'		

Seq. No.	39497	Seq. ID	OJ000118_14.0331.C6
Gene No.	81611	Strand	+

Start	4694	End	5105
Name	OJ000118_14.0331.C6.o1.np	Method	AAT/NAP
Start	4694	End	5105
GI	6539570	Score	194
Exons	4694..4894, 5039..5105		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39497	Seq. ID	OJ000118_14.0331.C6
Gene No.	81612	Strand	-
Start	1445	End	2652
Name	OJ000118_14.0331.C6.o1.gp	Method	AAT/GAP
Start	1288	End	1765
GI	uC-osroM202018c07b1	Score	912
Exons	1288..1765		
GI Descrip.	'3130064/emb|CAA06835| 1.0e-51 (AJ006055) glutathione reductase [Zea mays]'		

Seq. No.	39497	Seq. ID	OJ000118_14.0331.C6
Gene No.	81612	Strand	-
Start	1445	End	2652
Name	OJ000118_14.0331.C6.o1.gs	Method	GENSCAN
Start	1445	End	2652
GI	none	Score	.92
Exons	1445..1881, 2304..2429, 2592..2652		

Seq. No.	39497	Seq. ID	OJ000118_14.0331.C6
Gene No.	81613	Strand	-
Start	4694	End	4814
Name	OJ000118_14.0331.C6.o2.gs	Method	GENSCAN
Start	4694	End	4814
GI	none	Score	.81
Exons	4694..4814		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81614	Strand	+
Start	949	End	2293
Name	OJ000118_14.0331.C7.o2.np	Method	AAT/NAP
Start	949	End	2293
GI	6630699	Score	83
Exons	949..997, 2211..2293		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81615	Strand	+
Start	2420	End	2836
Name	OJ000118_14.0331.C7.o3.np	Method	AAT/NAP
Start	2420	End	2836
GI	6539570	Score	175
Exons	2420..2623, 2770..2836		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o2.gp	Method	AAT/GAP

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Start          8239                           End       12405
GI             uC-osflM202097b03b1            Score     852
Exons          8239..8340, 11962..12152, 12222..12405
GI Descrip.    '2244813/emb|CAB10236.1| 4.0e-15 (Z97336)
               acylaminoacyl-peptidase like protein [Arabidopsis thaliana]'

Seq. No.       39498                          Seq. ID   OJ000118_14.0331.C7
Gene No.       81616                          Strand    +
Start          8239                           End       24987
Name           OJ000118_14.0331.C7.o6.np      Method    AAT/NAP
Start          9752                           End       18072
GI             6978513                        Score     414
Exons          9752..9837, 12833..12896, 12979..13263, 14532..14733,
               14819..15073, 15734..15902, 16044..16104, 16211..16333,
               17199..17396, 17527..17595, 17835..17911, 18009..18072
GI Descrip.    n-acylaminoacyl-peptide hydrolase gi|113178|sp|P13676|ACPH_RAT
               ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH)
               (ACYLAMINOACYL-PEPTIDASE) gi|91923|pir||S07624
               acylaminoacyl-peptidase (EC 3.4.19.1) - rat
               gi|202932|gb|AAA88506.1| (J04733) acyl-peptide hydrolase [Rattus
               norvegicus]

Seq. No.       39498                          Seq. ID   OJ000118_14.0331.C7
Gene No.       81616                          Strand    +
Start          8239                           End       24987
Name           OJ000118_14.0331.C7.o4.np      Method    AAT/NAP
Start          10846                          End       11068
GI             132675                         Score     202
Exons          10846..11068
GI Descrip.    CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71222|pir||R5NT14
               ribosomal protein L14 - common tobacco chloroplast
               gi|11864|emb|CAA77379| (Z00044) ribosomal protein L14 [Nicotiana
               tabacum] gi|225233|prf||1211235BQ ribosomal protein L14
               [Nicotiana tabacum]

Seq. No.       39498                          Seq. ID   OJ000118_14.0331.C7
Gene No.       81616                          Strand    +
Start          8239                           End       24987
Name           OJ000118_14.0331.C7.o3.gs      Method    GENSCAN
Start          11993                          End       24044
GI             none                           Score     .83
Exons          11993..12152, 12222..12531, 12675..12896, 12979..13203,
               13527..13601, 14101..14236, 14477..14513, 14532..14577,
               14819..14901, 14987..15108, 15214..15292, 15734..15902,
               16044..16104, 16211..16333, 17157..17396, 19878..20001,
               20094..20403, 20494..20715, 20808..21047, 21209..21286,
               21323..21518, 21566..21747, 21833..21915, 22008..22132,
               22244..22322, 22406..22574, 22653..22713, 22794..22916,
               23034..23231, 23409..23477, 23726..23802, 23957..24044

Seq. No.       39498                          Seq. ID   OJ000118_14.0331.C7
Gene No.       81616                          Strand    +
Start          8239                           End       24987
Name           OJ000118_14.0331.C7.o5.np      Method    AAT/NAP
Start          12002                          End       15872
GI             7488047                        Score     925
Exons          12002..12154, 12230..12531, 12675..12896, 12979..13191,
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	13533..13601, 14819..14901, 14987..15108, 15214..15296, 15833..15872		
GI Descrip.	probable acylaminoacyl-peptidase - Arabidopsis thaliana gi|2244813|emb|CAB10236.1| (Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana] gi|7268163|emb|CAB78499.1| (AL161539) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o3.gp	Method	AAT/GAP
Start	12682	End	15124
GI	25148_1.R1084	Score	1828
Exons	12682..12896, 12979..13203, 13527..13601, 14101..14236, 14582..14733, 14819..14901, 14987..15124		
GI Descrip.	'2244813/emb|CAB10236.1| 2.0e-41 (Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]'		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o4.gp	Method	AAT/GAP
Start	17199	End	18276
GI	13056_1.R1084	Score	1115
Exons	17199..17396, 17527..17595, 17835..17911, 18009..18276		
GI Descrip.	'113178/sp|P13676|ACPH_RAT 9.0e-24 ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE) >gi_91923_pir__S07624 acylaminoacyl-peptidase (EC 3.4.19.1) - rat >gi_202932 (J04733) acyl-peptide hydrolase [Rattus norvegicus]'		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o10.np	Method	AAT/NAP
Start	19206	End	24020
GI	1619608	Score	317
Exons	19206..19261, 20378..20403, 20494..20715, 20808..21217, 21621..21747, 21833..21915, 22008..22140, 22365..22574, 22653..22713, 22794..22916, 23034..23231, 23409..23477, 23726..23802, 23957..24020		
GI Descrip.	(X14915) acyl-peptide hydrolase [Rattus norvegicus]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o7.np	Method	AAT/NAP
Start	19851	End	22128
GI	7488047	Score	818
Exons	19851..20002, 20101..20403, 20494..20715, 20808..21039, 21225..21286, 21833..21915, 22008..22128		
GI Descrip.	probable acylaminoacyl-peptidase - Arabidopsis thaliana gi|2244813|emb|CAB10236.1| (Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana] gi|7268163|emb|CAB78499.1| (AL161539) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]		

<table>
<tr><td>Seq. No.</td><td>39498</td><td>Seq. ID</td><td>OJ000118_14.0331.C7</td></tr>
<tr><td>Gene No.</td><td>81616</td><td>Strand</td><td>+</td></tr>
<tr><td>Start</td><td>8239</td><td>End</td><td>24987</td></tr>
<tr><td>Name</td><td>OJ000118_14.0331.C7.o9.np</td><td>Method</td><td>AAT/NAP</td></tr>
<tr><td>Start</td><td>19851</td><td>End</td><td>22313</td></tr>
<tr><td>GI</td><td>7488047</td><td>Score</td><td>832</td></tr>
<tr><td>Exons</td><td colspan="3">19851..20002, 20101..20403, 20494..20715, 20808..21039, 21225..21286, 21833..21915, 22008..22126, 22244..22313</td></tr>
<tr><td>GI Descrip.</td><td colspan="3">probable acylaminoacyl-peptidase - Arabidopsis thaliana gi|2244813|emb|CAB10236.1| (Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana] gi|7268163|emb|CAB78499.1| (AL161539) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]</td></tr>
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<table>
<tr><td>Seq. No.</td><td>39498</td><td>Seq. ID</td><td>OJ000118_14.0331.C7</td></tr>
<tr><td>Gene No.</td><td>81616</td><td>Strand</td><td>+</td></tr>
<tr><td>Start</td><td>8239</td><td>End</td><td>24987</td></tr>
<tr><td>Name</td><td>OJ000118_14.0331.C7.o8.np</td><td>Method</td><td>AAT/NAP</td></tr>
<tr><td>Start</td><td>19851</td><td>End</td><td>22226</td></tr>
<tr><td>GI</td><td>7488047</td><td>Score</td><td>800</td></tr>
<tr><td>Exons</td><td colspan="3">19851..20002, 20101..20403, 20494..20715, 20808..21039, 21225..21286, 21833..21915, 22008..22226</td></tr>
<tr><td>GI Descrip.</td><td colspan="3">probable acylaminoacyl-peptidase - Arabidopsis thaliana gi|2244813|emb|CAB10236.1| (Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana] gi|7268163|emb|CAB78499.1| (AL161539) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]</td></tr>
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<table>
<tr><td>Seq. No.</td><td>39498</td><td>Seq. ID</td><td>OJ000118_14.0331.C7</td></tr>
<tr><td>Gene No.</td><td>81616</td><td>Strand</td><td>+</td></tr>
<tr><td>Start</td><td>8239</td><td>End</td><td>24987</td></tr>
<tr><td>Name</td><td>OJ000118_14.0331.C7.o11.np</td><td>Method</td><td>AAT/NAP</td></tr>
<tr><td>Start</td><td>20234</td><td>End</td><td>24020</td></tr>
<tr><td>GI</td><td>1703089</td><td>Score</td><td>369</td></tr>
<tr><td>Exons</td><td colspan="3">20234..20403, 20494..20715, 20808..21217, 21621..21747, 21833..22042, 22362..22574, 22653..22713, 22794..22916, 23034..23231, 23409..23477, 23726..23802, 23957..24020</td></tr>
<tr><td>GI Descrip.</td><td colspan="3">ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE) (DNF15S2 PROTEIN) gi|2118063|pir||JC4655 acylaminoacyl-peptidase (EC 3.4.19.1) - human gi|556514|dbj|BAA07476| (D38441) acylamino acid-releasing enzyme [Homo sapiens]</td></tr>
</table>

<table>
<tr><td>Seq. No.</td><td>39498</td><td>Seq. ID</td><td>OJ000118_14.0331.C7</td></tr>
<tr><td>Gene No.</td><td>81616</td><td>Strand</td><td>+</td></tr>
<tr><td>Start</td><td>8239</td><td>End</td><td>24987</td></tr>
<tr><td>Name</td><td>OJ000118_14.0331.C7.o5.gp</td><td>Method</td><td>AAT/GAP</td></tr>
<tr><td>Start</td><td>22018</td><td>End</td><td>22711</td></tr>
<tr><td>GI</td><td>17463_1.R1084</td><td>Score</td><td>751</td></tr>
<tr><td>Exons</td><td colspan="3">22018..22132, 22244..22322, 22406..22574, 22653..22711</td></tr>
<tr><td>GI Descrip.</td><td colspan="3">'1703089/sp|P13798|ACPH_HUMAN 2.0e-10 ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE) (DNF15S2 PROTEIN) >gi_2118063_pir__JC4655 acylaminoacyl-peptidase (EC 3.4.19.1) - human >gi_556514_dbj_BAA07476_ (D38441) acylamino acid-releasing enzyme [Homo sapiens]'</td></tr>
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Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o6.gp	Method	AAT/GAP
Start	23411	End	24205
GI	none	Score	706
Exons	23411..23477, 23726..23802, 23957..24205		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o12.np	Method	AAT/NAP
Start	23562	End	24987
GI	5852084	Score	81
Exons	23562..23583, 24896..24987		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81617	Strand	-
Start	1	End	6604
Name	OJ000118_14.0331.C7.o1.np	Method	AAT/NAP
Start	1	End	2155
GI	5922620	Score	343
Exons	1..59, 116..219, 268..430, 593..626, 1498..1555, 1997..2074, 2117..2155		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81617	Strand	-
Start	1	End	6604
Name	OJ000118_14.0331.C7.o1.gs	Method	GENSCAN
Start	79	End	6604
GI	none	Score	.82
Exons	79..391, 515..825, 1021..1170, 1568..1920, 1980..2180, 2204..2270, 2438..2553, 2564..2920, 4257..4315, 6402..6544, 6581..6604		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81617	Strand	-
Start	1	End	6604
Name	OJ000118_14.0331.C7.o1.gp	Method	AAT/GAP
Start	3009	End	3107
GI	5867_1.R1084	Score	119
Exons	3009..3107		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81618	Strand	-
Start	8189	End	10772
Name	OJ000118_14.0331.C7.o2.gs	Method	GENSCAN
Start	8189	End	10772
GI	none	Score	.78
Exons	8189..8395, 9182..9399, 9952..9976, 10506..10583, 10704..10772		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o3.ts	Method	TBLASTX:Soybean
Start	10857	End	11067
GI	none	Score	48
Exons	10857..10898, 10858..10893, 10890..11018, 10902..11015, 11010..11066, 11011..11067, 11020..11067		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o3.tc	Method	TBLASTX:Cress
Start	10858	End	11069
GI	none	Score	50
Exons	10858..10893, 10866..10901, 10879..10962, 10889..11017, 10890..11018, 11002..11067, 11031..11066, 11031..11069		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o2.tm	Method	TBLASTX:Maize
Start	11959	End	20406
GI	none	Score	242
Exons	11959..12147, 11966..12148, 11973..12152, 11990..12148, 12217..12531, 12221..12532, 12239..12532, 12243..12533, 19847..19987, 19875..20000, 20089..20403, 20093..20404, 20095..20406, 20205..20405		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o2.tc	Method	TBLASTX:Cress
Start	12452	End	20871
GI	none	Score	98
Exons	12452..12532, 12679..12789, 12769..12885, 12977..13060, 20324..20404, 20500..20577, 20501..20608, 20588..20704, 20800..20871		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o3.tm	Method	TBLASTX:Maize
Start	12778	End	20988
GI	none	Score	78
Exons	12778..12834, 12780..12806, 12791..12889, 12838..12894, 12850..12891, 12852..12896, 12973..13143, 12977..13147, 12980..13147, 20600..20683, 20657..20713, 20800..20883, 20802..20885, 20805..20885, 20807..20887, 20895..20987,		

20902..20988

Seq. No. 39498 Seq. ID OJ000118_14.0331.C7
Gene No. 81619 Strand -
Start 24709 End 27113
Name OJ000118_14.0331.C7.o2.ts Method TBLASTX:Soybean
Start 14095 End 21655
GI none Score 58
Exons 14095..14142, 14096..14152, 14098..14148, 14155..14208, 14158..14214, 14159..14212, 14582..14641, 21236..21286, 21237..21284, 21378..21431, 21383..21427, 21433..21456, 21438..21542, 21596..21655

Seq. No. 39498 Seq. ID OJ000118_14.0331.C7
Gene No. 81619 Strand -
Start 24709 End 27113
Name OJ000118_14.0331.C7.o5.tm Method TBLASTX:Maize
Start 14581 End 21904
GI none Score 241
Exons 14581..14739, 14582..14731, 14812..14877, 14816..14890, 14817..14888, 21471..21536, 21596..21745, 21598..21750, 21598..21747, 21831..21896, 21844..21903, 21845..21904

Seq. No. 39498 Seq. ID OJ000118_14.0331.C7
Gene No. 81619 Strand -
Start 24709 End 27113
Name OJ000118_14.0331.C7.o1.tm Method TBLASTX:Maize
Start 15061 End 24014
GI none Score 49
Exons 15061..15114, 15220..15294, 15724..15768, 15732..15770, 15766..15903, 15786..15899, 15787..15900, 16042..16104, 16044..16100, 16208..16333, 16210..16329, 16255..16338, 17196..17399, 17198..17398, 17524..17595, 17820..17909, 17831..17899, 18009..18062, 18010..18069, 22109..22135, 22241..22324, 22252..22323, 22371..22451, 22424..22570, 22429..22575, 22440..22574, 22441..22605, 22641..22709, 22651..22713, 22791..22916, 22793..22918, 22793..22915, 23029..23226, 23030..23248, 23031..23234, 23406..23477, 23408..23476, 23412..23477, 23721..23798, 23723..23827, 23725..23799, 23957..24013, 23958..24014

Seq. No. 39498 Seq. ID OJ000118_14.0331.C7
Gene No. 81619 Strand -
Start 24709 End 27113
Name OJ000118_14.0331.C7.o1.tw Method TBLASTX:Wheat
Start 17236 End 24028
GI none Score 243
Exons 17236..17370, 17237..17440, 17238..17399, 17507..17593, 17524..17595, 17526..17594, 17820..17912, 17820..17912, 17831..17926, 17834..17917, 18001..18072, 18006..18077, 18006..18074, 18010..18099, 18011..18085, 23072..23233, 23073..23234, 23079..23237, 23406..23477, 23408..23476, 23723..23800, 23725..23787, 23949..24014, 23951..24019, 23954..24028

Seq. No. 39498 Seq. ID OJ000118_14.0331.C7
Gene No. 81619 Strand -

Start	24709	End	27113
Name	OJ000118_14.0331.C7.o7.gp	Method	AAT/GAP
Start	24681	End	26591
GI	LIB3434-060-P1-K1-C1	Score	663
Exons	24681..24772, 25476..25617, 25728..25821, 26543..26591		
GI Descrip.	'2707336 6.0e-27 (AF037442) histone acetyltransferase [Arabidopsis thaliana]'		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o4.tm	Method	TBLASTX:Maize
Start	24700	End	26660
GI	none	Score	185
Exons	24700..24774, 25461..25637, 25475..25612, 25697..25825, 25723..25821, 25725..25823, 25729..25827, 26543..26656, 26559..26657, 26568..26660		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o4.gs	Method	GENSCAN
Start	24709	End	27113
GI	none	Score	.77
Exons	24709..24772, 25476..25617, 25728..25821, 26907..27113		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o13.np	Method	AAT/NAP
Start	24712	End	26658
GI	7258364	Score	367
Exons	24712..24772, 25476..25617, 25728..25817, 26539..26658		
GI Descrip.	(AL138656) histon acetyltransferase HAT1 [Arabidopsis thaliana]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o1.tc	Method	TBLASTX:Cress
Start	25457	End	26656
GI	none	Score	164
Exons	25457..25612, 25461..25631, 25714..25824, 25723..25830, 25728..25832, 26543..26602, 26618..26656		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o1.ts	Method	TBLASTX:Soybean
Start	25509	End	26656
GI	4295717	Score	131
Exons	25509..25631, 25511..25612, 25723..25830, 25734..25805, 25735..25818, 26540..26602, 26609..26656		
GI Descrip.	2707336 1.0e-69 (AF037442) histone acetyltransferase [Arabidopsis thaliana]		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-

Start	1	End	2632
Name	OJ000118_14.0331.C8.ol.np	Method	AAT/NAP
Start	1	End	2632
GI	7258364	Score	702
Exons	1..51, 639..707, 897..996, 1169..1212, 1601..1830, 2219..2290, 2396..2476, 2543..2632		
GI Descrip.	(AL138656) histon acetyltransferase HAT1 [Arabidopsis thaliana]		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-
Start	1	End	2632
Name	OJ000118_14.0331.C8.ol.tm	Method	TBLASTX:Maize
Start	1	End	1818
GI	none	Score	74
Exons	1..51, 7..54, 638..709, 639..710, 639..710, 640..711, 885..998, 897..995, 1160..1213, 1165..1215, 1166..1213, 1167..1214, 1646..1759, 1662..1817, 1663..1818		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-
Start	1	End	2632
Name	OJ000118_14.0331.C8.ol.tc	Method	TBLASTX:Cress
Start	2	End	2610
GI	none	Score	58
Exons	2..58, 639..710, 897..998, 897..995, 1660..1827, 1661..1756, 1662..1832, 1663..1827, 2224..2292, 2393..2470, 2395..2475, 2395..2475, 2536..2610		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-
Start	1	End	2632
Name	OJ000118_14.0331.C8.ol.gs	Method	GENSCAN
Start	639	End	2433
GI	none	Score	.79
Exons	639..707, 897..1043, 1662..1830, 2219..2290, 2396..2433		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-
Start	1	End	2632
Name	OJ000118_14.0331.C8.ol.ts	Method	TBLASTX:Soybean
Start	2257	End	2619
GI	none	Score	71
Exons	2257..2292, 2394..2465, 2395..2478, 2395..2475, 2536..2619, 2540..2608		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81621	Strand	+
Start	1059	End	2474
Name	OJ000208_03.0310.C2.ol.gs	Method	GENSCAN
Start	1059	End	2474
GI	none	Score	.55
Exons	1059..1203, 1812..2002, 2047..2226, 2268..2474		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81622	Strand	-
Start	3275	End	4038
Name	OJ000208_03.0310.C2.ol.gp	Method	AAT/GAP

Start	3275	End	4038
GI	3213_1.R1084	Score	1254
Exons	3275..3780, 3881..4038		
GI Descrip.	'3831441 2.0e-13 (AC005819) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81622	Strand	-
Start	3275	End	4038
Name	OJ000208_03.0310.C2.o1.np	Method	AAT/NAP
Start	3685	End	3946
GI	3831441	Score	122
Exons	3685..3840, 3881..3946		
GI Descrip.	(AC005819) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81623	Strand	-
Start	4050	End	4790
Name	OJ000208_03.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	3680	End	4280
GI	none	Score	129
Exons	3680..3781, 3685..3783, 3686..3781, 3687..3791, 3869..3952, 3869..3964, 3879..3965, 3962..4258, 3963..4232, 4214..4279, 4221..4280		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81623	Strand	-
Start	4050	End	4790
Name	OJ000208_03.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	3706	End	3947
GI	none	Score	77
Exons	3706..3783, 3716..3781, 3869..3946, 3879..3947		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81623	Strand	-
Start	4050	End	4790
Name	OJ000208_03.0310.C2.o2.gp	Method	AAT/GAP
Start	4050	End	4790
GI	none	Score	1410
Exons	4050..4790		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81623	Strand	-
Start	4050	End	4790
Name	OJ000208_03.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	4281	End	4579
GI	none	Score	137
Exons	4281..4364, 4282..4356, 4283..4546, 4283..4363, 4405..4548, 4409..4579		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81624	Strand	+
Start	7962	End	10699
Name	OJ000208_03.0310.C3.o2.np	Method	AAT/NAP
Start	7962	End	10699
GI	7486352	Score	614
Exons	7962..9264, 10681..10699		

```
GI Descrip.   hypothetical protein F3D13.1 - Arabidopsis thaliana
              gi|3193306|gb|AAC19289.1| (AF069300) contains similarity to
              Arabidopsis membrane-associated salt-inducible-like protein
              (GB:AL021637) [Arabidopsis thaliana]

Seq. No.      39501                          Seq. ID   OJ000208_03.0310.C3
Gene No.      81625                          Strand    -
Start         1                              End       2820
Name          OJ000208_03.0310.C3.o1.gp      Method    AAT/GAP
Start         1                              End       1827
GI            6912_2.R1084                   Score     1536
Exons         1..288, 418..556, 1230..1382, 1508..1638, 1731..1827
GI Descrip.   '3510253 8.0e-29 (AC005310) hypothetical protein [Arabidopsis
              thaliana]'

Seq. No.      39501                          Seq. ID   OJ000208_03.0310.C3
Gene No.      81625                          Strand    -
Start         1                              End       2820
Name          OJ000208_03.0310.C3.o1.np      Method    AAT/NAP
Start         1                              End       2802
GI            7485762                        Score     400
Exons         1..191, 1503..1638, 1731..1892, 2586..2802
GI Descrip.   hypothetical protein F19D11.7 - Arabidopsis thaliana
              gi|3510253|gb|AAC33497.1| (AC005310) hypothetical protein
              [Arabidopsis thaliana]

Seq. No.      39501                          Seq. ID   OJ000208_03.0310.C3
Gene No.      81625                          Strand    -
Start         1                              End       2820
Name          OJ000208_03.0310.C3.o1.gs      Method    GENSCAN
Start         93                             End       2820
GI            none                           Score     .95
Exons         93..288, 418..556, 1230..1382, 1508..1638, 1731..1892,
              2616..2820

Seq. No.      39501                          Seq. ID   OJ000208_03.0310.C3
Gene No.      81626                          Strand    -
Start         5830                           End       7183
Name          OJ000208_03.0310.C3.o2.tm      Method    TBLASTX:Maize
Start         1                              End       555
GI            none                           Score     94
Exons         1..99, 1..84, 2..100, 2..100, 72..272, 89..226, 92..274,
              96..275, 416..547, 422..553, 423..554, 424..555

Seq. No.      39501                          Seq. ID   OJ000208_03.0310.C3
Gene No.      81626                          Strand    -
Start         5830                           End       7183
Name          OJ000208_03.0310.C3.o1.tm      Method    TBLASTX:Maize
Start         1275                           End       6043
GI            none                           Score     73
Exons         1275..1376, 1275..1382, 1294..1401, 1507..1638, 1508..1639,
              1509..1646, 1716..1868, 1724..1894, 1726..1893, 1726..1923,
              1727..1909, 2616..2663, 2617..2685, 2617..2730, 2618..2719,
              5963..6043

Seq. No.      39501                          Seq. ID   OJ000208_03.0310.C3
Gene No.      81626                          Strand    -
```

Start	5830	End	7183
Name	OJ000208_03.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	1503	End	1912
GI	none	Score	166
Exons	1503..1646, 1505..1603, 1516..1638, 1722..1769, 1726..1893, 1727..1912		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81626	Strand	-
Start	5830	End	7183
Name	OJ000208_03.0310.C3.o2.gs	Method	GENSCAN
Start	5830	End	7183
GI	none	Score	.79
Exons	5830..6035, 6214..6408, 6842..6988, 7138..7183		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81627	Strand	
Start	8535	End	9233
Name	OJ000208_03.0310.C3.o2.ts	Method	TBLASTX:Soybean
Start	8535	End	9212
GI	none	Score	231
Exons	8535..9188, 8550..9185, 8625..8984, 8714..8962, 8753..9178, 8754..9194, 8763..8918, 8834..9160, 8834..9061, 8838..9212, 8861..9187, 8862..8999, 8889..8987		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81627	Strand	
Start	8535	End	9233
Name	OJ000208_03.0310.C3.o3.tm	Method	TBLASTX:Maize
Start	8541	End	9209
GI	none	Score	232
Exons	8541..9083, 8592..8987, 8622..9197, 8634..9209		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81627	Strand	
Start	8535	End	9233
Name	OJ000208_03.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	8544	End	9233
GI	none	Score	75
Exons	8544..8735, 8652..8813, 8669..8782, 8730..9068, 8763..8873, 8823..9194, 8834..9181, 8868..9014, 8928..9221, 9045..9233		

Seq. No.	39502	Seq. ID	OJ000208_03.0310.C4
Gene No.	81628	Strand	+
Start	38	End	2288
Name	OJ000208_03.0310.C4.o1.gs	Method	GENSCAN
Start	38	End	2030
GI	none	Score	.58
Exons	38..296, 717..836, 1007..1140, 1454..1605, 1638..2030		

Seq. No.	39502	Seq. ID	OJ000208_03.0310.C4
Gene No.	81628	Strand	+
Start	38	End	2288
Name	OJ000208_03.0310.C4.o1.np	Method	AAT/NAP
Start	77	End	2288
GI	7486057	Score	319
Exons	77..296, 1007..1140, 1256..1408, 1494..1605, 1700..1852,		

	1886..2000, 2202..2288		
GI Descrip.	hypothetical protein F24A6.130 - Arabidopsis thaliana gi|4454017|emb|CAA23070.1| (AL035396) hypothetical protein [Arabidopsis thaliana] gi|7269380|emb|CAB81340.1| (AL161563) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39502	Seq. ID	OJ000208_03.0310.C4
Gene No.	81628	Strand	+
Start	38	End	2288
Name	OJ000208_03.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	181	End	1352
GI	none	Score	66
Exons	181..219, 182..220, 182..223, 242..292, 1003..1143, 1009..1140, 1241..1342, 1253..1342, 1254..1352		

Seq. No.	39502	Seq. ID	OJ000208_03.0310.C4
Gene No.	81628	Strand	+
Start	38	End	2288
Name	OJ000208_03.0310.C4.o1.gp	Method	AAT/GAP
Start	1805	End	2288
GI	LIB3432-048-P2-K1-H7	Score	571
Exons	1805..2030, 2202..2288		
GI Descrip.	'4454017/emb|CAA23070| 2.0e-10 (AL035396) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39503	Seq. ID	OJ000208_03.0310.C5
Gene No.	81629	Strand	+
Start	604	End	825
Name	OJ000208_03.0310.C5.o1.gs	Method	GENSCAN
Start	604	End	825
GI	none	Score	.9
Exons	604..825		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81630	Strand	+
Start	2094	End	4448
Name	OJ000208_03.0310.C6.o2.gs	Method	GENSCAN
Start	2094	End	4448
GI	none	Score	.91
Exons	2094..2102, 2465..2530, 2643..2759, 3009..3083, 3187..3289, 3380..3427, 3509..3630, 3759..3836, 4329..4448		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81631	Strand	+
Start	11695	End	12764
Name	OJ000208_03.0310.C6.o4.gs	Method	GENSCAN
Start	11695	End	12764
GI	none	Score	.68
Exons	11695..11845, 12377..12522, 12627..12764		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81632	Strand	-
Start	256	End	1053
Name	OJ000208_03.0310.C6.o1.gs	Method	GENSCAN
Start	256	End	1053
GI	none	Score	.79
Exons	256..651, 669..1003, 1047..1053		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81633	Strand	-
Start	4881	End	10535
Name	OJ000208_03.0310.C6.o3.gs	Method	GENSCAN
Start	4881	End	10535
GI	none	Score	.79
Exons	4881..5312, 5317..5451, 5804..6315, 6388..6592, 6694..6808, 6891..7130, 7205..7368, 7392..7935, 8065..8176, 8278..8436, 8573..8670, 8773..8926, 9936..10097, 10526..10535		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81633	Strand	-
Start	4881	End	10535
Name	OJ000208_03.0310.C6.o2.np	Method	AAT/NAP
Start	5747	End	9156
GI	7435680	Score	1466
Exons	5747..6315, 6388..6592, 6694..6808, 6891..7095, 7173..7302, 7392..7935, 8065..8182, 8209..8436, 8573..8670, 8773..8867, 9058..9156		
GI Descrip.	subtilisin-like proteinase homolog T4F9.10 - Arabidopsis thaliana gi|4539433|emb|CAB40021.1| (AL049523) subtilisin-like protease-like protein [Arabidopsis thaliana] gi|7267752|emb|CAB78178.1| (AL161517) subtilisin-like protease-like protein [Arabidopsis thaliana]		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o2.tc	Method	TBLASTX:Cress
Start	1490	End	2767
GI	none	Score	104
Exons	1490..1597, 1505..1594, 2252..2395, 2253..2372, 2462..2527, 2464..2538, 2640..2759, 2642..2767		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o2.ts	Method	TBLASTX:Soybean
Start	1547	End	3074
GI	none	Score	73
Exons	1547..1597, 2253..2372, 2267..2353, 2462..2527, 2465..2533, 2640..2759, 2642..2767, 3005..3070, 3006..3074		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o4.tm	Method	TBLASTX:Maize
Start	2181	End	2461
GI	none	Score	127
Exons	2181..2363, 2218..2370, 2219..2362, 2226..2363, 2236..2364, 2396..2461, 2410..2460		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o3.tm	Method	TBLASTX:Maize

Start	2462	End	3426
GI	none	Score	114
Exons	2462..2530, 2464..2538, 2464..2529, 2465..2530, 2637..2705, 2643..2708, 2645..2707, 2716..2760, 2717..2767, 2718..2759, 3005..3082, 3006..3083, 3007..3084, 3051..3083, 3184..3288, 3185..3289, 3186..3290, 3187..3291, 3370..3426, 3378..3422		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o1.tc	Method	TBLASTX:Cress
Start	5780	End	7793
GI	none	Score	82
Exons	5780..5845, 5867..5977, 6071..6289, 6137..6241, 6144..6305, 6389..6514, 6390..6515, 6566..6604, 7395..7697, 7407..7541, 7411..7704, 7692..7793		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	5783	End	7640
GI	none	Score	83
Exons	5783..5839, 5852..6025, 6047..6100, 6101..6292, 6153..6278, 6389..6514, 6390..6515, 6566..6601, 7452..7589, 7611..7640		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o1.ts	Method	TBLASTX:Soybean
Start	5783	End	8654
GI	none	Score	67
Exons	5783..5977, 5993..6034, 6020..6256, 6389..6508, 6393..6503, 6566..6646, 7404..7535, 7405..7497, 7506..7580, 7507..7569, 7611..7859, 7623..7751, 7821..7940, 7911..7940, 8064..8177, 8110..8187, 8276..8305, 8363..8431, 8586..8654		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o2.tm	Method	TBLASTX:Maize
Start	6888	End	7133
GI	none	Score	336
Exons	6888..7133, 6890..7132		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	7073	End	7778
GI	none	Score	81
Exons	7073..7153, 7395..7688, 7407..7559, 7408..7566, 7612..7641, 7701..7778		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512

Name	OJ000208_03.0310.C6.o1.gp	Method	AAT/GAP
Start	13163	End	13819
GI	none	Score	983
Exons	13163..13678, 13756..13819		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o5.tm	Method	TBLASTX:Maize
Start	13525	End	13796
GI	none	Score	90
Exons	13525..13680, 13543..13680, 13550..13681, 13601..13687, 13755..13796		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o5.gs	Method	GENSCAN
Start	13558	End	14512
GI	none	Score	.43
Exons	13558..13694, 14437..14512		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81635	Strand	-
Start	1	End	559
Name	OJ000208_03.0310.C7.o1.np	Method	AAT/NAP
Start	1	End	559
GI	6562262	Score	187
Exons	1..192, 379..559		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81635	Strand	-
Start	1	End	559
Name	OJ000208_03.0310.C7.o1.gs	Method	GENSCAN
Start	20	End	559
GI	none	Score	1
Exons	20..192, 379..559		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o3.tm	Method	TBLASTX:Maize
Start	17	End	499
GI	none	Score	42
Exons	17..91, 21..50, 22..90, 90..149, 91..183, 92..184, 92..193, 379..483, 379..480, 380..499, 381..494		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o2.gs	Method	GENSCAN
Start	1602	End	4317
GI	none	Score	.84
Exons	1602..2674, 2833..2892, 3575..3745, 3905..4174, 4266..4317		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7

Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	1795	End	3924
GI	none	Score	58
Exons	1795..1842, 1800..1841, 1892..2077, 1968..2072, 2005..2076, 2095..2154, 2096..2155, 2097..2156, 2148..2282, 2152..2280, 2169..2282, 2170..2304, 2281..2319, 2281..2319, 2288..2320, 2322..2510, 2325..2498, 2327..2506, 2509..2547, 2524..2655, 2534..2662, 2538..2654, 2829..2888, 3073..3342, 3099..3341, 3336..3482, 3343..3450, 3347..3451, 3499..3555, 3549..3740, 3592..3741, 3598..3762, 3599..3763, 3717..3923, 3742..3924, 3744..3923		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o2.gp	Method	AAT/GAP
Start	2077	End	2531
GI	none	Score	834
Exons	2077..2531		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	3621	End	3846
GI	none	Score	180
Exons	3621..3845, 3622..3846		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o1.tc	Method	TBLASTX:Cress
Start	3624	End	3812
GI	none	Score	158
Exons	3624..3812, 3625..3810, 3626..3811		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	4030	End	4383
GI	none	Score	159
Exons	4030..4170, 4032..4172, 4032..4172, 4037..4213, 4261..4383, 4263..4373, 4315..4383		

Seq. No.	39506	Seq. ID	OJ000208_03.0310.C9
Gene No.	81637	Strand	+
Start	713	End	930
Name	OJ000208_03.0310.C9.o1.gs	Method	GENSCAN
Start	713	End	930
GI	none	Score	.51
Exons	713..930		

Seq. No.	39506	Seq. ID	OJ000208_03.0310.C9
Gene No.	81638	Strand	-

Start	1326	End	2093
Name	OJ000208_03.0310.C9.o2.gs	Method	GENSCAN
Start	1326	End	2093
GI	none	Score	.65
Exons	1326..2093		

Seq. No.	39506	Seq. ID	OJ000208_03.0310.C9
Gene No.	81638	Strand	-
Start	1326	End	2093
Name	OJ000208_03.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	1377	End	2078
GI	none	Score	40
Exons	1377..1421, 1416..1787, 1503..1715, 1504..1731, 1525..1731, 1530..1934, 1567..1776, 1629..1781, 1635..1991, 1731..1964, 1806..2018, 1848..2078		

Seq. No.	39506	Seq. ID	OJ000208_03.0310.C9
Gene No.	81638	Strand	-
Start	1326	End	2093
Name	OJ000208_03.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	1407	End	2084
GI	none	Score	88
Exons	1407..1781, 1425..1865, 1431..2084, 1432..1758, 1434..1781, 1435..1776, 1441..1776, 1459..1776, 1620..1757, 1635..1994, 1635..1991, 1689..1856		

Seq. No.	39506	Seq. ID	OJ000208_03.0310.C9
Gene No.	81638	Strand	-
Start	1326	End	2093
Name	OJ000208_03.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	1410	End	2078
GI	none	Score	224
Exons	1410..1985, 1422..1997, 1563..2078, 1632..2027, 1737..2075		

Seq. No.	39507	Seq. ID	OJ000208_03.0310.C10
Gene No.	81639	Strand	+
Start	276	End	444
Name	OJ000208_03.0310.C10.o1.gs	Method	GENSCAN
Start	276	End	444
GI	none	Score	.79
Exons	276..444		

Seq. No.	39507	Seq. ID	OJ000208_03.0310.C10
Gene No.	81640	Strand	-
Start	2916	End	3740
Name	OJ000208_03.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	2860	End	3740
GI	none	Score	92
Exons	2860..2895, 2886..2993, 2904..2996, 2905..2994, 3091..3192, 3097..3192, 3288..3410, 3298..3414, 3313..3411, 3501..3551, 3505..3552, 3505..3552, 3593..3718, 3625..3729, 3634..3735, 3636..3740		

Seq. No.	39507	Seq. ID	OJ000208_03.0310.C10
Gene No.	81640	Strand	-
Start	2916	End	3740
Name	OJ000208_03.0310.C10.o2.gs	Method	GENSCAN

Start	2916	End	3237
GI	none	Score	.65
Exons	2916..2992, 3099..3237		

Seq. No.	39508	Seq. ID	OJ000208_03.0310.C11
Gene No.	81641	Strand	-
Start	280	End	984
Name	OJ000208_03.0310.C11.o1.gs	Method	GENSCAN
Start	280	End	984
GI	none	Score	.93
Exons	280..438, 830..984		

Seq. No.	39509	Seq. ID	OJ000208_03.0310.C12
Gene No.	81642	Strand	+
Start	1866	End	4627
Name	OJ000208_03.0310.C12.o1.gs	Method	GENSCAN
Start	1866	End	4627
GI	none	Score	.83
Exons	1866..1914, 2165..2325, 2763..2789, 3740..3851, 3902..3932, 4540..4627		

Seq. No.	39509	Seq. ID	OJ000208_03.0310.C12
Gene No.	81642	Strand	+
Start	1866	End	4627
Name	OJ000208_03.0310.C12.o1.gp	Method	AAT/GAP
Start	2009	End	2540
GI	LIB3434-038-P1-K1-F1	Score	768
Exons	2009..2540		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39509	Seq. ID	OJ000208_03.0310.C12
Gene No.	81643	Strand	-
Start	2020	End	3470
Name	OJ000208_03.0310.C12.o1.np	Method	AAT/NAP
Start	2020	End	3470
GI	6815052	Score	199
Exons	2020..2080, 3173..3243, 3313..3470		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39509	Seq. ID	OJ000208_03.0310.C12
Gene No.	81644	Strand	-
Start	4784	End	5986
Name	OJ000208_03.0310.C12.o2.gs	Method	GENSCAN
Start	4784	End	5986
GI	none	Score	.85
Exons	4784..4916, 5766..5986		

Seq. No.	39510	Seq. ID	OJ000208_03.0310.C13
Gene No.	81645	Strand	+
Start	3830	End	5116
Name	OJ000208_03.0310.C13.o1.gs	Method	GENSCAN
Start	3830	End	5116
GI	none	Score	.86
Exons	3830..4374, 4499..4633, 4724..4865, 4967..5116		

Seq. No.	39510	Seq. ID	OJ000208_03.0310.C13

Gene No.	81646	Strand	-
Start	1	End	291
Name	OJ000208_03.0310.C13.o1.np	Method	AAT/NAP
Start	1	End	291
GI	7340909	Score	221
Exons	1..291		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	39510	Seq. ID	OJ000208_03.0310.C13
Gene No.	81647	Strand	-
Start	1503	End	4741
Name	OJ000208_03.0310.C13.o2.np	Method	AAT/NAP
Start	1503	End	4741
GI	5852093	Score	51
Exons	1503..1569, 3250..3356, 4694..4741		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39511	Seq. ID	OJ000208_03.0310.C14
Gene No.	81648	Strand	+
Start	188	End	1600
Name	OJ000208_03.0310.C14.o1.gs	Method	GENSCAN
Start	188	End	684
GI	none	Score	.91
Exons	188..303, 375..684		

Seq. No.	39511	Seq. ID	OJ000208_03.0310.C14
Gene No.	81648	Strand	+
Start	188	End	1600
Name	OJ000208_03.0310.C14.o1.np	Method	AAT/NAP
Start	256	End	1600
GI	6630699	Score	75
Exons	256..301, 1521..1600		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39511	Seq. ID	OJ000208_03.0310.C14
Gene No.	81649	Strand	-
Start	2429	End	2595
Name	OJ000208_03.0310.C14.o2.np	Method	AAT/NAP
Start	1739	End	1824
GI	5922619	Score	85
Exons	1739..1824		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39511	Seq. ID	OJ000208_03.0310.C14
Gene No.	81649	Strand	-
Start	2429	End	2595
Name	OJ000208_03.0310.C14.o2.gs	Method	GENSCAN
Start	2429	End	2595
GI	none	Score	.54
Exons	2429..2595		

Seq. No.	39512	Seq. ID	OJ000208_03.0310.C15
Gene No.	81650	Strand	+

Start	186	End	326
Name	OJ000208_03.0310.C15.o1.gs	Method	GENSCAN
Start	186	End	326
GI	none	Score	.91
Exons	186..326		

Seq. No.	39512	Seq. ID	OJ000208_03.0310.C15
Gene No.	81651	Strand	-
Start	574	End	767
Name	OJ000208_03.0310.C15.o2.gs	Method	GENSCAN
Start	574	End	[illegible]
GI	none	Score	.7
Exons	574..767		

Seq. No.	39513	Seq. ID	OJ000208_03.0310.C16
Gene No.	81652	Strand	+
Start	217	End	1901
Name	OJ000208_03.0310.C16.o1.np	Method	AAT/NAP
Start	217	End	1901
GI	6498436	Score	1243
Exons	217..303, 937..1054, 1103..1901		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	39513	Seq. ID	OJ000208_03.0310.C16
Gene No.	81652	Strand	+
Start	217	End	1901
Name	OJ000208_03.0310.C16.o1.tw	Method	TBLASTX:Wheat
Start	310	End	804
GI	none	Score	87
Exons	310..492, 508..804, 585..794		

Seq. No.	39513	Seq. ID	OJ000208_03.0310.C16
Gene No.	81652	Strand	+
Start	217	End	1901
Name	OJ000208_03.0310.C16.o1.ts	Method	TBLASTX:Soybean
Start	328	End	702
GI	none	Score	105
Exons	328..528, 511..702		

Seq. No.	39514	Seq. ID	OJ000208_03.0310.C17
Gene No.	81653	Strand	+
Start	1	End	249
Name	OJ000208_03.0310.C17.o1.np	Method	AAT/NAP
Start	1	End	249
GI	6815052	Score	164
Exons	1..31, 128..249		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39514	Seq. ID	OJ000208_03.0310.C17
Gene No.	81654	Strand	-
Start	1502	End	1830
Name	OJ000208_03.0310.C17.o2.gs	Method	GENSCAN
Start	1502	End	1830
GI	none	Score	.72
Exons	1502..1560, 1758..1830		

Seq. No.	39515	Seq. ID	OJ000208_03.0310.C18

Gene No.	81655	Strand	-
Start	273	End	988
Name	OJ000208_03.0310.C18.ol.gs	Method	GENSCAN
Start	273	End	988
GI	none	Score	.4
Exons	273..304, 943..988		

Seq. No.	39516	Seq. ID	OJ000208_03.0310.C19
Gene No.	81656	Strand	+
Start	200	End	360
Name	OJ000208_03.0310.C19.ol.gs	Method	GENSCAN
Start	200	End	360
GI	none	Score	.65
Exons	200..360		

Seq. No.	39517	Seq. ID	OJ000208_03.0310.C20
Gene No.	81657	Strand	+
Start	680	End	820
Name	OJ000208_03.0310.C20.ol.gs	Method	GENSCAN
Start	680	End	820
GI	none	Score	.92
Exons	680..688, 767..820		

Seq. No.	39518	Seq. ID	OJ000208_03.0310.C21
Gene No.	81658	Strand	+
Start	1206	End	2851
Name	OJ000208_03.0310.C21.ol.gs	Method	GENSCAN
Start	1206	End	2851
GI	none	Score	.94
Exons	1206..1343, 1537..1705, 1851..2128, 2209..2851		

Seq. No.	39518	Seq. ID	OJ000208_03.0310.C21
Gene No.	81658	Strand	+
Start	1206	End	2851
Name	OJ000208_03.0310.C21.ol.np	Method	AAT/NAP
Start	1517	End	2796
GI	5903051	Score	667
Exons	1517..1705, 1851..2128, 2209..2796		
GI Descrip.	(AC008016) Contains PF|00069 Eukaryotic protein kinase domain. ESTs gb|W43822, gb|T20475 and gb|AA586152 come from this gene. [Arabidopsis thaliana]		

Seq. No.	39518	Seq. ID	OJ000208_03.0310.C21
Gene No.	81658	Strand	+
Start	1206	End	2851
Name	OJ000208_03.0310.C21.ol.tm	Method	TBLASTX:Maize
Start	1559	End	2707
GI	none	Score	141
Exons	1559..1708, 1848..2036, 1850..2017, 2076..2165, 2210..2488, 2212..2487, 2501..2707, 2518..2688		

Seq. No.	39518	Seq. ID	OJ000208_03.0310.C21
Gene No.	81658	Strand	+
Start	1206	End	2851
Name	OJ000208_03.0310.C21.ol.tc	Method	TBLASTX:Cress
Start	1589	End	2677
GI	none	Score	77

Exons	1589..1684, 1845..2033, 2073..2129, 2219..2335, 2339..2548, 2350..2559, 2531..2677		

Seq. No.	39518	Seq. ID	OJ000208_03.0310.C21
Gene No.	81658	Strand	+
Start	1206	End	2851
Name	OJ000208_03.0310.C21.o1.ts	Method	TBLASTX:Soybean
Start	1595	End	2721
GI	none	Score	78
Exons	1595..1708, 1851..2036, 2076..2129, 2210..2536, 2305..2481, 2534..2713, 2548..2721		

Seq. No.	39518	Seq. ID	OJ000208_03.0310.C21
Gene No.	81658	Strand	+
Start	1206	End	2851
Name	OJ000208_03.0310.C21.o1.tw	Method	TBLASTX:Wheat
Start	2076	End	2479
GI	none	Score	57
Exons	2076..2165, 2210..2479, 2227..2478		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81659	Strand	+
Start	5310	End	7025
Name	OJ000208_03.0310.C22.o2.gs	Method	GENSCAN
Start	5310	End	7025
GI	none	Score	.51
Exons	5310..5432, 6927..7025		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81660	Strand	+
Start	8286	End	10428
Name	OJ000208_03.0310.C22.o3.gs	Method	GENSCAN
Start	8286	End	10428
GI	none	Score	.88
Exons	8286..8347, 8610..8639, 8955..9110, 9271..9375, 9425..9951, 10028..10428		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81660	Strand	+
Start	8286	End	10428
Name	OJ000208_03.0310.C22.o1.np	Method	AAT/NAP
Start	9309	End	10425
GI	7486031	Score	406
Exons	9309..9470, 9540..9649, 9686..9951, 10010..10425		
GI Descrip.	hypothetical protein F23E13.150 - Arabidopsis thaliana gi|2961385|emb|CAA18132.1| (AL022141) putative protein [Arabidopsis thaliana] gi|7270579|emb|CAB80297.1| (AL161589) putative protein [Arabidopsis thaliana]		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81660	Strand	+
Start	8286	End	10428
Name	OJ000208_03.0310.C22.o1.gp	Method	AAT/GAP
Start	9891	End	10285
GI	72794_1.R1084	Score	578
Exons	9891..9951, 10028..10285		
GI Descrip.	'4929803/gb|AAD34162.1|AF152555_1 1.0e-13 (AF152555) putative		

zinc finger protein SHI [Arabidopsis thaliana]'

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81661	Strand	-
Start	2991	End	4577
Name	OJ000208_03.0310.C22.ol.gs	Method	GENSCAN
Start	2991	End	4577
GI	none	Score	.74
Exons	2991..3113, 4127..4339, 4428..4577		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81662	Strand	
Start	9686	End	9806
Name	OJ000208_03.0310.C22.ol.ts	Method	TBLASTX:Soybean
Start	9686	End	9806
GI	4301121	Score	71
Exons	9686..9802, 9686..9805, 9690..9806		
GI Descrip.	882341 3.0e-21 (U24702) LRP1 [Arabidopsis thaliana]		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81662	Strand	
Start	9686	End	9806
Name	OJ000208_03.0310.C22.ol.tc	Method	TBLASTX:Cress
Start	9687	End	9806
GI	none	Score	199
Exons	9687..9806, 9689..9805		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81663	Strand	
Start	10320	End	10605
Name	OJ000208_03.0310.C22.ol.tm	Method	TBLASTX:Maize
Start	10320	End	10605
GI	none	Score	189
Exons	10320..10358, 10321..10458, 10404..10457, 10531..10605		

Seq. No.	39520	Seq. ID	OJ000208_03.0310.C23
Gene No.	81664	Strand	+
Start	1	End	1307
Name	OJ000208_03.0310.C23.ol.np	Method	AAT/NAP
Start	1	End	1307
GI	7340909	Score	267
Exons	1..46, 623..1026, 1222..1307		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	39520	Seq. ID	OJ000208_03.0310.C23
Gene No.	81665	Strand	-
Start	798	End	1167
Name	OJ000208_03.0310.C23.ol.gs	Method	GENSCAN
Start	798	End	1167
GI	none	Score	.42
Exons	798..1167		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81666	Strand	+
Start	428	End	5435
Name	OJ000208_03.0310.C26.ol.gs	Method	GENSCAN
Start	428	End	5401

GI	none	Score	.83
Exons	428..649, 1142..1314, 1391..1458, 2127..2238, 3666..3861, 3967..4314, 5066..5401		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81666	Strand	+
Start	428	End	5435
Name	OJ000208_03.0310.C26.o1.gp	Method	AAT/GAP
Start	3484	End	4237
GI	22860_1.R1084	Score	1168
Exons	3484..3861, 3967..4237		
GI Descrip.	'5002526/emb|CAB44329.1| 1.0e-13 (AL078606) putative protein [Arabidopsis thaliana]'		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81666	Strand	+
Start	428	End	5435
Name	OJ000208_03.0310.C26.o1.np	Method	AAT/NAP
Start	3724	End	5435
GI	7486565	Score	650
Exons	3724..3863, 3969..4314, 5066..5248, 5300..5435		
GI Descrip.	hypothetical protein F7H19.100 - Arabidopsis thaliana gi|3292817|emb|CAA19807.1| (AL031018) hypothetical protein [Arabidopsis thaliana] gi|7269139|emb|CAB79247.1| (AL161558) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81667	Strand	+
Start	7575	End	10163
Name	OJ000208_03.0310.C26.o2.gs	Method	GENSCAN
Start	7575	End	10006
GI	none	Score	.58
Exons	7575..7660, 7848..8083, 8698..8723, 9223..9433, 9522..9562, 9672..10006		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81667	Strand	+
Start	7575	End	10163
Name	OJ000208_03.0310.C26.o4.gp	Method	AAT/GAP
Start	7808	End	8833
GI	3090465	Score	567
Exons	7808..8083, 8698..8723, 8807..8833		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81667	Strand	+
Start	7575	End	10163
Name	OJ000208_03.0310.C26.o2.np	Method	AAT/NAP
Start	9238	End	10163
GI	7271113	Score	454
Exons	9238..9427, 9534..9562, 9672..10006, 10100..10163		
GI Descrip.	(AJ276420) 68 kDa protein [Cicer arietinum]		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81667	Strand	+
Start	7575	End	10163
Name	OJ000208_03.0310.C26.o5.gp	Method	AAT/GAP
Start	9512	End	10163

GI	26315_1.R1084	Score	739
Exons	9512..9562, 9672..10006, 10100..10163		
GI Descrip.	'4539335/emb|CAB37483.1| 1.0e-34 (AL035539) putative protein [Arabidopsis thaliana]'		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81668	Strand	-
Start	5563	End	5826
Name	OJ000208_03.0310.C26.o1.ts	Method	TBLASTX:Soybean
Start	3958	End	5392
GI	none	Score	126
Exons	3958..4047, 3960..4046, 4011..4250, 4012..4317, 5065..5187, 5066..5200, 5294..5392		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81668	Strand	-
Start	5563	End	5826
Name	OJ000208_03.0310.C26.o2.tm	Method	TBLASTX:Maize
Start	4068	End	4325
GI	none	Score	401
Exons	4068..4250, 4081..4323, 4299..4325		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81668	Strand	-
Start	5563	End	5826
Name	OJ000208_03.0310.C26.o2.tc	Method	TBLASTX:Cress
Start	4138	End	5197
GI	none	Score	258
Exons	4138..4317, 4146..4316, 5065..5187, 5066..5197		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81668	Strand	-
Start	5563	End	5826
Name	OJ000208_03.0310.C26.o3.tm	Method	TBLASTX:Maize
Start	5060	End	5206
GI	none	Score	211
Exons	5060..5206, 5066..5200		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81668	Strand	-
Start	5563	End	5826
Name	OJ000208_03.0310.C26.o2.gp	Method	AAT/GAP
Start	5563	End	5826
GI	none	Score	480
Exons	5563..5826		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81669	Strand	
Start	9290	End	10163
Name	OJ000208_03.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	9290	End	10163
GI	none	Score	64
Exons	9290..9337, 9292..9336, 9331..9399, 9347..9394, 9499..9573, 9524..9562, 9701..10006, 9702..10004, 10097..10156, 10098..10163		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81669	Strand	

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Start          9290                          End      10163
Name           OJ000208_03.0310.C26.o2.ts    Method   TBLASTX:Soybean
Start          9701                          End      10163
GI             none                          Score    250
Exons          9701..9886, 9702..9890, 9708..9890, 9897..10001, 9950..9997,
               10087..10161, 10094..10162, 10110..10163

Seq. No.       39521                         Seq. ID  OJ000208_03.0310.C26
Gene No.       81669                         Strand
Start          9290                          End      10163
Name           OJ000208_03.0310.C26.o1.tc    Method   TBLASTX:Cress
Start          9759                          End      10163
GI             none                          Score    328
Exons          9759..9998, 9762..9998, 10098..10163

Seq. No.       39522                         Seq. ID  OJ000208_03.0310.C27
Gene No.       81670                         Strand   +
Start          1                             End      386
Name           OJ000208_03.0310.C27.o1.np    Method   AAT/NAP
Start          1                             End      386
GI             7271113                       Score    429
Exons          1..386
GI Descrip.    (AJ276420) 68 kDa protein [Cicer arietinum]

Seq. No.       39522                         Seq. ID  OJ000208_03.0310.C27
Gene No.       81670                         Strand   +
Start          1                             End      386
Name           OJ000208_03.0310.C27.o1.gs    Method   GENSCAN
Start          2                             End      383
GI             none                          Score    .84
Exons          2..4, 108..383

Seq. No.       39522                         Seq. ID  OJ000208_03.0310.C27
Gene No.       81670                         Strand   +
Start          1                             End      386
Name           OJ000208_03.0310.C27.o1.gp    Method   AAT/GAP
Start          108                           End      176
GI             LIB3434-045-P1-K1-B5          Score    122
Exons          108..176
GI Descrip.    '4539335/emb|CAB37483.1| 1.0e-49 (AL035539) putative protein
               [Arabidopsis thaliana]'

Seq. No.       39522                         Seq. ID  OJ000208_03.0310.C27
Gene No.       81671                         Strand   -
Start          120                           End      794
Name           OJ000208_03.0310.C27.o1.tc    Method   TBLASTX:Cress
Start          86                            End      371
GI             none                          Score    115
Exons          86..346, 108..371, 122..331

Seq. No.       39522                         Seq. ID  OJ000208_03.0310.C27
Gene No.       81671                         Strand   -
Start          120                           End      794
Name           OJ000208_03.0310.C27.o1.tm    Method   TBLASTX:Maize
Start          107                           End      386
GI             none                          Score    321
Exons          107..385, 108..386, 119..385
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Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81671	Strand	-
Start	120	End	794
Name	OJ000208_03.0310.C27.o1.ts	Method	TBLASTX:Soybean
Start	108	End	371
GI	none	Score	372
Exons	108..371, 116..334, 183..344, 187..345		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81671	Strand	-
Start	120	End	794
Name	OJ000208_03.0310.C27.o2.gp	Method	AAT/GAP
Start	120	End	794
GI	38012_1.R1084	Score	1193
Exons	120..794		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81671	Strand	-
Start	120	End	794
Name	OJ000208_03.0310.C27.o1.tw	Method	TBLASTX:Wheat
Start	150	End	377
GI	none	Score	298
Exons	150..377, 162..374, 173..376		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.gs	Method	GENSCAN
Start	92	End	2498
GI	none	Score	.84
Exons	92..375, 1025..1050, 1546..1735, 1802..1875, 2212..2306, 2381..2498		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.np	Method	AAT/NAP
Start	454	End	2673
GI	6850880	Score	727
Exons	454..487, 1083..1189, 1546..1746, 1953..2306, 2381..2673		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	1613	End	2673
GI	none	Score	64
Exons	1613..1660, 1615..1659, 1802..1876, 1812..1886, 1978..2019, 2002..2091, 2021..2080, 2028..2123, 2079..2303, 2079..2306, 2080..2304, 2367..2672, 2378..2671, 2379..2672, 2383..2673		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+

Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.gp	Method	AAT/GAP
Start	1821	End	2637
GI	26315_1.R1084	Score	1182
Exons	1821..1875, 1980..2306, 2381..2637		
GI Descrip.	'4539335/emb|CAB37483.1| 1.0e-34 (AL035539) putative protein [Arabidopsis thaliana]'		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	2002	End	2672
GI	none	Score	68
Exons	2002..2091, 2021..2080, 2079..2186, 2080..2190, 2098..2190, 2100..2198, 2197..2301, 2250..2297, 2368..2655, 2371..2598, 2372..2671, 2375..2608, 2376..2672, 2391..2672		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.tc	Method	TBLASTX:Cress
Start	2079	End	2642
GI	none	Score	296
Exons	2079..2297, 2080..2298, 2375..2524, 2379..2549, 2580..2642		

Seq. No.	39524	Seq. ID	OJ000118_04.0310.C1
Gene No.	81673	Strand	+
Start	1	End	1319
Name	OJ000118_04.0310.C1.o1.np	Method	AAT/NAP
Start	1	End	1319
GI	7228450	Score	204
Exons	1..70, 756..841, 981..1100, 1204..1319		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81674	Strand	+
Start	5118	End	10356
Name	OJ000118_04.0310.C2.o3.gs	Method	GENSCAN
Start	5118	End	10356
GI	none	Score	.66
Exons	5118..5953, 5959..6385, 7025..7270, 7316..7413, 7544..7824, 7893..7982, 8254..8460, 9068..9276, 9304..9445, 9542..9657, 9786..9930, 10226..10356		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81675	Strand	-
Start	3126	End	4454
Name	OJ000118_04.0310.C2.o2.gs	Method	GENSCAN
Start	3126	End	4454
GI	none	Score	.77
Exons	3126..3366, 3922..4454		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81676	Strand	-
Start	13818	End	23200
Name	OJ000118_04.0310.C2.o4.gs	Method	GENSCAN

Start	13818	End	23167
GI	none	Score	.41
Exons	13818..14004, 14217..14276, 15161..16391, 16520..18863, 18956..19079, 19295..19477, 19690..19708, 20623..20766, 21733..21843, 22570..22614, 23047..23167		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81676	Strand	-
Start	13818	End	23200
Name	OJ000118_04.0310.C2.o1.np	Method	AAT/NAP
Start	15160	End	19063
GI	6539553	Score	6483
Exons	15160..19063		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81676	Strand	-
Start	13818	End	23200
Name	OJ000118_04.0310.C2.o2.np	Method	AAT/NAP
Start	15270	End	23200
GI	6815052	Score	529
Exons	15270..15321, 20893..20985, 22092..22191, 22494..22614, 22892..22965, 23047..23200		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o5.ts	Method	TBLASTX:Soybean
Start	12878	End	17774
GI	none	Score	84
Exons	12878..12943, 13301..13366, 17388..17636, 17625..17774		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o2.tw	Method	TBLASTX:Wheat
Start	15296	End	15772
GI	none	Score	340
Exons	15296..15682, 15297..15680, 15364..15681, 15697..15771, 15699..15770, 15701..15772		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o4.ts	Method	TBLASTX:Soybean
Start	15424	End	15765
GI	none	Score	87
Exons	15424..15633, 15445..15633, 15652..15765, 15659..15739		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o4.tm	Method	TBLASTX:Maize

Start	15628	End	15967
GI	none	Score	239
Exons	15628..15966, 15629..15967		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o2.ts	Method	TBLASTX:Soybean
Start	15778	End	16125
GI	none	Score	133
Exons	15778..16122, 15779..16123, 15904..16125		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o3.tw	Method	TBLASTX:Wheat
Start	15976	End	16494
GI	none	Score	90
Exons	15976..16182, 16177..16494, 16201..16374		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	16057	End	16503
GI	none	Score	85
Exons	16057..16503, 16204..16386		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	16192	End	16655
GI	5509260	Score	57
Exons	16192..16494, 16211..16264, 16343..16438, 16530..16655		
GI Descrip.	-		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	16303	End	16562
GI	none	Score	62
Exons	16303..16509, 16515..16562		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	16575	End	17322
GI	none	Score	194
Exons	16575..16784, 16576..16734, 16592..16822, 16595..16768, 16843..17322, 16881..17321		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636

Name	OJ000118_04.0310.C2.o5.tm	Method	TBLASTX:Maize
Start	16972	End	17543
GI	none	Score	72
Exons	16972..17145, 16980..17147, 17172..17543, 17200..17385		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o3.ts	Method	TBLASTX:Soybean
Start	16980	End	17378
GI	none	Score	46
Exons	16980..17153, 17107..17151, 17154..17378, 17158..17292, 17199..17363, 17332..17370		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o5.tw	Method	TBLASTX:Wheat
Start	17328	End	17669
GI	none	Score	72
Exons	17328..17669, 17343..17537		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	17801	End	18123
GI	none	Score	357
Exons	17801..18103, 17802..18116, 17803..18096, 17959..18123		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o3.tm	Method	TBLASTX:Maize
Start	18622	End	18934
GI	none	Score	249
Exons	18622..18855, 18624..18860, 18626..18868, 18627..18860, 18857..18934, 18877..18924		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o4.tw	Method	TBLASTX:Wheat
Start	18774	End	19116
GI	none	Score	89
Exons	18774..18860, 18780..18860, 18854..18919, 18855..18905, 18888..19073, 18908..19072, 19078..19116, 19079..19114		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o6.tw	Method	TBLASTX:Wheat
Start	20191	End	20482
GI	none	Score	74
Exons	20191..20481, 20201..20482		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2

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Gene No.       81677                          Strand    -
Start          24386                          End       25636
Name           OJ000118_04.0310.C2.o5.gs      Method    GENSCAN
Start          24386                          End       25636
GI             none                           Score     .52
Exons          24386..24451, 24595..24699, 25430..25636

Seq. No.       39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.       81678                          Strand    +
Start          3525                           End       4908
Name           OJ000118_04.0310.C3.o2.gs      Method    GENSCAN
Start          3525                           End       4908
GI             none                           Score     .67
Exons          3525..3630, 4108..4223, 4272..4463, 4651..4908

Seq. No.       39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.       81679                          Strand    +
Start          12476                          End       13267
Name           OJ000118_04.0310.C3.o1.np      Method    AAT/NAP
Start          12476                          End       13267
GI             6815052                        Score     389
Exons          12476..12643, 12791..12865, 13148..13267
GI Descrip.    (AP001080) hypothetical protein [Oryza sativa]

Seq. No.       39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.       81680                          Strand    +
Start          13506                          End       13750
Name           OJ000118_04.0310.C3.o1.gp      Method    AAT/GAP
Start          13506                          End       13750
GI             44948_2.R1084                  Score     419
Exons          13506..13750
GI Descrip.    '4335715/gb|AAD17393| 4.0e-36 (AC006248) putative
               immediate-early salicylate-induced glucosyltransferase
               [Arabidopsis thaliana]'

Seq. No.       39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.       81681                          Strand    +
Start          17766                          End       19455
Name           OJ000118_04.0310.C3.o5.gs      Method    GENSCAN
Start          17766                          End       19455
GI             none                           Score     .47
Exons          17766..17900, 19244..19455

Seq. No.       39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.       81682                          Strand    -
Start          292                            End       2193
Name           OJ000118_04.0310.C3.o1.gs      Method    GENSCAN
Start          292                            End       2193
GI             none                           Score     .51
Exons          292..917, 1054..1961, 1967..2193

Seq. No.       39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.       81683                          Strand    -
Start          13111                          End       21724
Name           OJ000118_04.0310.C3.o1.tc      Method    TBLASTX:Cress
Start          1574                           End       1882
GI             none                           Score     189
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Exons         1574..1882

Seq. No.      39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.      81683                          Strand    -
Start         13111                          End       21724
Name          OJ000118_04.0310.C3.o1.tw      Method    TBLASTX:Wheat
Start         1601                           End       1966
GI            none                           Score     64
Exons         1601..1708, 1682..1897, 1913..1966

Seq. No.      39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.      81683                          Strand    -
Start         13111                          End       21724
Name          OJ000118_04.0310.C3.o4.gs      Method    GENSCAN
Start         13111                          End       16725
GI            none                           Score     .72
Exons         13111..13307, 14100..14151, 14241..14357, 14674..14715,
              15712..15839, 15967..16027, 16657..16725

Seq. No.      39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.      81683                          Strand    -
Start         13111                          End       21724
Name          OJ000118_04.0310.C3.o2.np      Method    AAT/NAP
Start         14100                          End       21724
GI            2626753                        Score     669
Exons         14100..14151, 14241..14357, 14674..14715, 15712..15839,
              15967..16027, 20053..20118, 20197..20304, 21394..21501,
              21624..21724
GI Descrip.   (AB008782) sulfate transporter [Arabidopsis thaliana]

Seq. No.      39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.      81683                          Strand    -
Start         13111                          End       21724
Name          OJ000118_04.0310.C3.o1.ts      Method    TBLASTX:Soybean
Start         14101                          End       20305
GI            none                           Score     106
Exons         14101..14151, 14233..14331, 14239..14319, 14256..14351,
              15703..15840, 15703..15843, 15713..15841, 15965..16036,
              15966..16028, 20017..20118, 20066..20119, 20195..20305,
              20197..20304

Seq. No.      39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.      81683                          Strand    -
Start         13111                          End       21724
Name          OJ000118_04.0310.C3.o2.tc      Method    TBLASTX:Cress
Start         14101                          End       21692
GI            none                           Score     70
Exons         14101..14151, 14102..14152, 14239..14322, 14242..14316,
              14256..14351, 14671..14718, 15703..15840, 15703..15843,
              15726..15842, 15734..15865, 15965..16036, 15966..16034,
              20017..20118, 20066..20119, 20195..20305, 20197..20304,
              21391..21501, 21627..21692

Seq. No.      39526                          Seq. ID   OJ000118_04.0310.C3
Gene No.      81683                          Strand    -
Start         13111                          End       21724
Name          OJ000118_04.0310.C3.o1.tm      Method    TBLASTX:Maize
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Start	14104	End	21692
GI	none	Score	46
Exons	14104..14169, 14104..14163, 14239..14331, 14240..14323, 14242..14331, 14259..14351, 14286..14357, 14669..14716, 14671..14718, 15703..15837, 15716..15841, 15717..15842, 15958..16029, 15965..16036, 15966..16028, 16050..16091, 20017..20118, 20054..20119, 20066..20161, 20067..20123, 20195..20305, 20197..20304, 21382..21501, 21394..21432, 21459..21539, 21627..21692, 21637..21690, 21642..21692		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81683	Strand	-
Start	13111	End	21724
Name	OJ000118_04.0310.C3.o2.gp	Method	AAT/GAP
Start	21422	End	21724
GI	61191_1.R1084	Score	226
Exons	21422..21501, 21624..21724		
GI Descrip.	'2626753/dbj|BAA23424| 7.0e-34 (AB008782) sulfate transporter [Arabidopsis thaliana]'		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.np	Method	AAT/NAP
Start	1	End	1985
GI	2626753	Score	285
Exons	1..49, 1619..1820, 1920..1985		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	35	End	318
GI	none	Score	168
Exons	35..232, 43..201, 244..318		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	1602	End	1978
GI	none	Score	184
Exons	1602..1820, 1617..1703, 1618..1821, 1618..1818, 1749..1820, 1919..1978, 1924..1971		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	1604	End	1984
GI	none	Score	90
Exons	1604..1813, 1609..1818, 1616..1810, 1662..1811, 1919..1984, 1930..1968		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-

Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.gs	Method	GENSCAN
Start	1619	End	1730
GI	none	Score	.59
Exons	1619..1730		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	1666	End	1966
GI	none	Score	95
Exons	1666..1818, 1682..1816, 1919..1966, 1922..1966		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81685	Strand	+
Start	795	End	1058
Name	OJ000118_04.0310.C5.o1.gs	Method	GENSCAN
Start	795	End	1058
GI	none	Score	.69
Exons	795..1058		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81686	Strand	+
Start	2193	End	6439
Name	OJ000118_04.0310.C5.o4.np	Method	AAT/NAP
Start	2193	End	6436
GI	6815052	Score	393
Exons	2193..2226, 5653..5880, 5962..6036, 6318..6436		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81686	Strand	+
Start	2193	End	6439
Name	OJ000118_04.0310.C5.o3.gs	Method	GENSCAN
Start	5727	End	6439
GI	none	Score	.89
Exons	5727..5880, 6318..6439		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81687	Strand	+
Start	10861	End	11496
Name	OJ000118_04.0310.C5.o2.gp	Method	AAT/GAP
Start	10833	End	11484
GI	6_1.R1084	Score	1274
Exons	10833..11484		
GI Descrip.	'3618318/dbj|BAA33205| 1.0e-143 (AB001887) zinc finger protein [Oryza sativa]'		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81687	Strand	+
Start	10861	End	11496
Name	OJ000118_04.0310.C5.o4.gs	Method	GENSCAN
Start	10861	End	11484
GI	none	Score	.53
Exons	10861..11484		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81687	Strand	+
Start	10861	End	11496
Name	OJ000118_04.0310.C5.o5.np	Method	AAT/NAP
Start	10861	End	11496
GI	7489604	Score	1101
Exons	10861..11496		
GI Descrip.	zinc-finger protein S12569 - rice gi|3618318|dbj|BAA33205.1| (AB001887) zinc finger protein [Oryza sativa]		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o3.np	Method	AAT/NAP
Start	583	End	4559
GI	4325354	Score	138
Exons	583..612, 3948..4120, 4208..4559		
GI Descrip.	(AF128395) contains similarity to retrovirus-related polyproteins and to CCHC zinc finger protein (Pfam: PF00098, Score=16.3, E=0.051, E= 1) [Arabidopsis thaliana]		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o1.np	Method	AAT/NAP
Start	772	End	1102
GI	2626753	Score	123
Exons	772..1102		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	791	End	1061
GI	none	Score	162
Exons	791..955, 792..944, 924..1061, 938..991		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o1.gp	Method	AAT/GAP
Start	841	End	1364
GI	none	Score	839
Exons	841..1087, 1169..1364		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o2.gs	Method	GENSCAN
Start	1158	End	4975
GI	none	Score	.47
Exons	1158..1396, 1438..1533, 1840..1950, 3848..3875, 4092..4282, 4336..4583, 4926..4975		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-

Start	583	End	5898
Name	OJ000118_04.0310.C5.o2.np	Method	AAT/NAP
Start	3894	End	5898
GI	7487463	Score	133
Exons	3894..4294, 4328..4546, 5863..5898		
GI Descrip.	hypothetical protein T27D20.19 - Arabidopsis thaliana gi|3377854|gb|AAC28236.1| (AF076274) T27D20.19 gene product [Arabidopsis thaliana] gi|7267180|emb|CAB77892.1| (AL161499) putative protein [Arabidopsis thaliana]		

Seq. No.	39529	Seq. ID	OJ000118_04.0310.C6
Gene No.	81689	Strand	+
Start	1	End	286
Name	OJ000118_04.0310.C6.o1.np	Method	AAT/NAP
Start	1	End	286
GI	3342527	Score	107
Exons	1..286		
GI Descrip.	(AF076485) defective in fruiting DifE [Myxococcus xanthus]		

Seq. No.	39529	Seq. ID	OJ000118_04.0310.C6
Gene No.	81690	Strand	-
Start	106	End	401
Name	OJ000118_04.0310.C6.o1.gs	Method	GENSCAN
Start	106	End	401
GI	none	Score	.71
Exons	106..401		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81691	Strand	+
Start	2043	End	2756
Name	OJ000118_04.0310.C8.o1.gs	Method	GENSCAN
Start	2043	End	2756
GI	none	Score	.5
Exons	2043..2192, 2234..2384, 2644..2756		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81692	Strand	+
Start	4926	End	5754
Name	OJ000118_04.0310.C8.o3.gs	Method	GENSCAN
Start	4926	End	5754
GI	none	Score	.57
Exons	4926..4986, 5037..5218, 5557..5754		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81693	Strand	+
Start	6411	End	6753
Name	OJ000118_04.0310.C8.o4.gs	Method	GENSCAN
Start	6411	End	6753
GI	none	Score	.53
Exons	6411..6471, 6476..6753		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81694	Strand	-
Start	3497	End	3990
Name	OJ000118_04.0310.C8.o2.gs	Method	GENSCAN
Start	3497	End	3990
GI	none	Score	.54

Exons	3497..3756, 3879..3990		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81695	Strand	-
Start	4987	End	6820
Name	OJ000118_04.0310.C8.o2.np	Method	AAT/NAP
Start	4987	End	6820
GI	119714	Score	72
Exons	4987..5044, 6423..6820		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81696	Strand	-
Start	10539	End	11289
Name	OJ000118_04.0310.C8.o5.gs	Method	GENSCAN
Start	10539	End	11289
GI	none	Score	.68
Exons	10539..10697, 11182..11289		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81697	Strand	+
Start	94	End	838
Name	OJ000118_04.0310.C9.o1.gp	Method	AAT/GAP
Start	94	End	838
GI	6_1.R1084	Score	1380
Exons	94..838		
GI Descrip.	'3618318/dbj|BAA33205| 1.0e-143 (AB001887) zinc finger protein [Oryza sativa]'		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81697	Strand	+
Start	94	End	838
Name	OJ000118_04.0310.C9.o1.np	Method	AAT/NAP
Start	107	End	487
GI	7489604	Score	616
Exons	107..487		
GI Descrip.	zinc-finger protein S12569 - rice gi|3618318|dbj|BAA33205.1| (AB001887) zinc finger protein [Oryza sativa]		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81697	Strand	+
Start	94	End	838
Name	OJ000118_04.0310.C9.o1.gs	Method	GENSCAN
Start	131	End	490
GI	none	Score	.72
Exons	131..490		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81698	Strand	+
Start	4670	End	7140
Name	OJ000118_04.0310.C9.o2.gs	Method	GENSCAN
Start	4670	End	7140
GI	none	Score	.49
Exons	4670..4718, 4969..5129, 6345..6418, 6441..6611, 6930..7140		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o3.gs	Method	GENSCAN
Start	8717	End	21065
GI	none	Score	.66
Exons	8717..9090, 9124..9482, 9642..9737, 9993..10073, 10278..10423, 10486..10844, 10879..11170, 11375..11463, 11890..11978, 12877..13099, 13188..13260, 14354..14522, 16144..16416, 16592..16988, 17121..17491, 17506..17650, 18559..18593, 19404..19819, 20393..20429, 20722..21065		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o2.np	Method	AAT/NAP
Start	8794	End	10937
GI	4325357	Score	372
Exons	8794..9503, 10069..10218, 10448..10937		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o3.np	Method	AAT/NAP
Start	16465	End	21639
GI	4680183	Score	1025
Exons	16465..16632, 16983..17786, 20639..21639		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o4.gs	Method	GENSCAN
Start	21207	End	21782
GI	none	Score	.7
Exons	21207..21330, 21365..21393, 21540..21782		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o4.np	Method	AAT/NAP
Start	21627	End	21858
GI	4680180	Score	239
Exons	21627..21858		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81700	Strand	-
Start	17703	End	17982
Name	OJ000118_04.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	277	End	448
GI	none	Score	114
Exons	277..435, 286..420, 350..448		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81700	Strand	-
Start	17703	End	17982
Name	OJ000118_04.0310.C9.o3.tw	Method	TBLASTX:Wheat
Start	9023	End	17331
GI	none	Score	94
Exons	9023..9139, 9155..9370, 17152..17331		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81700	Strand	-
Start	17703	End	17982
Name	OJ000118_04.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	9170	End	9478
GI	none	Score	190
Exons	9170..9478		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81700	Strand	-
Start	17703	End	17982
Name	OJ000118_04.0310.C9.o2.gp	Method	AAT/GAP
Start	17703	End	17982
GI	61605_3.R1084	Score	392
Exons	17703..17982		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o2.tw	Method	TBLASTX:Wheat
Start	21129	End	21317
GI	none	Score	240
Exons	21129..21317, 21143..21313		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	21144	End	21449
GI	none	Score	385
Exons	21144..21449, 21146..21439		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	21318	End	21737
GI	none	Score	399
Exons	21318..21737, 21524..21736		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	21477	End	21859
GI	none	Score	233

Exons	21477..21779, 21629..21760, 21767..21859		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	21513	End	21746
GI	none	Score	191
Exons	21513..21746, 21629..21736		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81702	Strand	+
Start	7216	End	9922
Name	OJ000118_04.0310.C10.o2.gs	Method	GENSCAN
Start	7216	End	9669
GI	none	Score	.72
Exons	7216..7239, 7662..7856, 7933..8515, 8521..8922, 9248..9510, 9571..9669		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81702	Strand	+
Start	7216	End	9922
Name	OJ000118_04.0310.C10.o1.np	Method	AAT/NAP
Start	7659	End	9922
GI	4680180	Score	1681
Exons	7659..8618, 8658..9922		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81703	Strand	-
Start	1509	End	6032
Name	OJ000118_04.0310.C10.o1.gs	Method	GENSCAN
Start	1509	End	6032
GI	none	Score	.7
Exons	1509..1676, 1769..1887, 1916..2024, 2703..2850, 3267..3443, 3571..3884, 3890..4030, 4054..4513, 4541..4637, 4677..4932, 4974..6032		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o5.tw	Method	TBLASTX:Wheat
Start	4129	End	4500
GI	none	Score	86
Exons	4129..4314, 4130..4312, 4345..4500		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	5271	End	5579
GI	none	Score	203
Exons	5271..5579		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236

Name	OJ000118_04.0310.C10.o4.tw	Method	TBLASTX:Wheat
Start	5298	End	5726
GI	none	Score	96
Exons	5298..5405, 5379..5594, 5610..5726		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	5316	End	5726
GI	none	Score	67
Exons	5316..5594, 5622..5726		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o2.tw	Method	TBLASTX:Wheat
Start	7879	End	8286
GI	none	Score	202
Exons	7879..8103, 8113..8286		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	8002	End	8385
GI	none	Score	83
Exons	8002..8115, 8137..8385		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	8778	End	9084
GI	none	Score	193
Exons	8778..8993, 8795..8965, 8989..9084, 9000..9083		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o3.tw	Method	TBLASTX:Wheat
Start	8910	End	9275
GI	none	Score	74
Exons	8910..9119, 8991..9275, 8995..9273		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	9286	End	9852
GI	none	Score	282
Exons	9286..9738, 9435..9542, 9763..9852		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o3.gs	Method	GENSCAN

Start	10810	End	12875
GI	none	Score	.52
Exons	10810..11189, 11275..11372, 11566..11762, 11808..12213, 12369..12427, 12499..12618, 12751..12875		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o2.np	Method	AAT/NAP
Start	11565	End	13236
GI	6721561	Score	410
Exons	11565..12420, 12515..12681, 13165..13236		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza [illegible] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU08205[illegible]2976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81705	Strand	+
Start	1215	End	6281
Name	OJ000118_04.0310.C11.o2.np	Method	AAT/NAP
Start	1215	End	6281
GI	2626753	Score	445
Exons	1215..1244, 4672..4966, 5066..5151, 5304..5380, 547[illegible].5614, 6174..6281		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81705	Strand	+
Start	1215	End	6281
Name	OJ000118_04.0310.C11.o2.gs	Method	GENSCAN
Start	3759	End	5788
GI	none	Score	.78
Exons	3759..3831, 4828..4966, 5066..5151, 5304..5380, 5477..5788		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81705	Strand	+
Start	1215	End	6281
Name	OJ000118_04.0310.C11.o1.gp	Method	AAT/GAP
Start	4888	End	5690
GI	6613_1.R1084	Score	704
Exons	4888..4970, 5069..5151, 5304..5380, 5477..5690		
GI Descrip.	'2626753/dbj|BAA23424| 2.0e-23 (AB008782) sulfate transporter [Arabidopsis thaliana]'		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81705	Strand	+
Start	1215	End	6281
Name	OJ000118_04.0310.C11.o2.gp	Method	AAT/GAP
Start	5763	End	6121
GI	none	Score	693
Exons	5763..6121		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81706	Strand	+
Start	7298	End	8980

Name	OJ000118_04.0310.C11.o3.gp	Method	AAT/GAP
Start	7037	End	7105
GI	LIB3477-003-P1-K1-E9	Score	85
Exons	7037..7105		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81706	Strand	+
Start	7298	End	8980
Name	OJ000118_04.0310.C11.o3.gs	Method	GENSCAN
Start	7298	End	8980
GI	none	Score	.71
Exons	7298..7478, 7648..7906, 8767..8980		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81707	Strand	+
Start	10107	End	13432
Name	OJ000118_04.0310.C11.o5.gs	Method	GENSCAN
Start	10107	End	13432
GI	none	Score	.65
Exons	10107..10432, 10535..10664, 10700..11215, 12280..12547, 12924..13069, 13403..13432		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81708	Strand	-
Start	1	End	3967
Name	OJ000118_04.0310.C11.o1.np	Method	AAT/NAP
Start	1	End	3967
GI	6815052	Score	1699
Exons	1..113, 195..929, 978..1122, 1902..1994, 2861..2960, 3258..3379, 3662..3732, 3814..3967		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81708	Strand	-
Start	1	End	3967
Name	OJ000118_04.0310.C11.o1.gs	Method	GENSCAN
Start	99	End	1782
GI	none	Score	.41
Exons	99..1782		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81709	Strand	-
Start	9310	End	9850
Name	OJ000118_04.0310.C11.o4.gs	Method	GENSCAN
Start	9310	End	9850
GI	none	Score	.83
Exons	9310..9538, 9771..9850		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o3.tw	Method	TBLASTX:Wheat
Start	1029	End	1677
GI	none	Score	90

Exons	1029..1097, 1183..1473, 1494..1646, 1498..1677		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o2.ts	Method	TBLASTX:Soybean
Start	1285	End	1659
GI	none	Score	107
Exons	1285..1479, 1474..1659		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o1.tc	Method	TBLASTX:Cress
Start	4826	End	5613
GI	none	Score	226
Exons	4826..4966, 4827..4967, 5093..5149, 5293..5364, 5294..5395, 5471..5608, 5479..5613		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o1.ts	Method	TBLASTX:Soybean
Start	4826	End	5613
GI	none	Score	223
Exons	4826..4969, 4827..4967, 4877..4969, 4879..4971, 5062..5088, 5064..5105, 5094..5150, 5293..5370, 5294..5395, 5300..5383, 5471..5608, 5474..5581, 5476..5613		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o2.tm	Method	TBLASTX:Maize
Start	5063	End	5698
GI	none	Score	68
Exons	5063..5107, 5064..5108, 5089..5151, 5100..5150, 5293..5376, 5294..5395, 5306..5383, 5471..5698, 5475..5651, 5476..5691		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o5.tw	Method	TBLASTX:Wheat
Start	11642	End	11991
GI	none	Score	105
Exons	11642..11767, 11768..11842, 11851..11991		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o1.tw	Method	TBLASTX:Wheat
Start	12283	End	12620
GI	none	Score	245
Exons	12283..12558, 12297..12557, 12558..12620		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577

Name	OJ000118_04.0310.C11.o1.tm	Method	TBLASTX:Maize
Start	12869	End	13741
GI	none	Score	357
Exons	12869..13288, 12880..13251, 13286..13387, 13348..13380, 13419..13454, 13459..13494, 13460..13741, 13541..13678		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o2.tw	Method	TBLASTX:Wheat
Start	12911	End	13219
GI	none	Score	259
Exons	12911..13219, 12942..13148, 12943..13179		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o3.tm	Method	TBLASTX:Maize
Start	14011	End	14443
GI	none	Score	278
Exons	14011..14379, 14012..14383, 14396..14443		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o4.tw	Method	TBLASTX:Wheat
Start	14216	End	14542
GI	none	Score	149
Exons	14216..14443, 14438..14542		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o6.gs	Method	GENSCAN
Start	15307	End	17577
GI	none	Score	.63
Exons	15307..15436, 17516..17577		

Seq. No.	39534	Seq. ID	OJ000208_07.0331.C3
Gene No.	81711	Strand	-
Start	269	End	1149
Name	OJ000208_07.0331.C3.o1.gs	Method	GENSCAN
Start	269	End	1149
GI	none	Score	.47
Exons	269..497, 1091..1149		

Seq. No.	39535	Seq. ID	OJ000208_07.0331.C4
Gene No.	81712	Strand	+
Start	218	End	2161
Name	OJ000208_07.0331.C4.o1.gp	Method	AAT/GAP
Start	218	End	2161
GI	uC-osflm202109e04b1	Score	892
Exons	218..485, 1884..2039, 2108..2161		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	39535	Seq. ID	OJ000208_07.0331.C4

Gene No.	81712	Strand	+
Start	218	End	2161
Name	OJ000208_07.0331.C4.o1.gs	Method	GENSCAN
Start	337	End	2043
GI	none	Score	.52
Exons	337..485, 1884..2043		

Seq. No.	39535	Seq. ID	OJ000208_07.0331.C4
Gene No.	81712	Strand	+
Start	218	End	2161
Name	OJ000208_07.0331.C4.o1.np	Method	AAT/NAP
Start	636	End	2161
GI	7507945	Score	54
Exons	636..680, 1922..2039, 2108..2161		
GI Descrip.	hypothetical protein T19B10.6 - Caenorhabditis elegans gi|3879914|emb|CAA98538.1| (Z74043) predicted using Genefinder; cDNA EST EMBL:C13850 comes from this gene; cDNA EST EMBL:C11575 comes from this gene; cDNA EST yk343f4.5 comes from this gene [Caenorhabditis elegans]		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.np	Method	AAT/NAP
Start	1	End	489
GI	4512242	Score	656
Exons	1..489		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	379
GI	none	Score	62
Exons	2..226, 2..379, 33..245		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.tw	Method	TBLASTX:Wheat
Start	2	End	400
GI	none	Score	324
Exons	2..400, 3..398		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.gs	Method	GENSCAN
Start	14	End	567
GI	none	Score	.58
Exons	14..306, 535..567		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.ts	Method	TBLASTX:Soybean

Start	113	End	400
GI	none	Score	186
Exons	113..400, 114..398		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.gp	Method	AAT/GAP
Start	401	End	708
GI	61605_1.R1084	Score	449
Exons	401..708		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39537	Seq. ID	OJ000208_07.0331.C6
Gene No.	81714	Strand	+
Start	225	End	330
Name	OJ000208_07.0331.C6.o2.gp	Method	AAT/GAP
Start	225	End	330
GI	5816518	Score	163
Exons	225..330		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	39537	Seq. ID	OJ000208_07.0331.C6
Gene No.	81715	Strand	-
Start	1	End	70
Name	OJ000208_07.0331.C6.o1.np	Method	AAT/NAP
Start	1	End	70
GI	7106512	Score	90
Exons	1..70		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39537	Seq. ID	OJ000208_07.0331.C6
Gene No.	81716	Strand	-
Start	1	End	216
Name	OJ000208_07.0331.C6.o1.gp	Method	AAT/GAP
Start	1	End	216
GI	3761181	Score	385
Exons	1..216		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	39538	Seq. ID	OJ000208_07.0331.C7
Gene No.	81717	Strand	+
Start	77	End	315
Name	OJ000208_07.0331.C7.o1.gs	Method	GENSCAN
Start	77	End	315
GI	none	Score	.59
Exons	77..85, 109..315		

Seq. No.	39538	Seq. ID	OJ000208_07.0331.C7
Gene No.	81718	Strand	-
Start	1	End	1342
Name	OJ000208_07.0331.C7.o1.np	Method	AAT/NAP
Start	1	End	1342

GI	7106512	Score	927
Exons	1..746, 1297..1342		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39538	Seq. ID	OJ000208_07.0331.C7
Gene No.	81718	Strand	-
Start	1	End	1342
Name	OJ000208_07.0331.C7.o2.gs	Method	GENSCAN
Start	520	End	835
GI	none	Score	.98
Exons	520..835		

Seq. No.	39539	Seq. ID	OJ000208_07.0331.C8
Gene No.	81719	Strand	+
Start	125	End	2078
Name	OJ000208_07.0331.C8.o2.np	Method	AAT/NAP
Start	125	End	2078
GI	4680186	Score	217
Exons	125..204, 1874..2078		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39539	Seq. ID	OJ000208_07.0331.C8
Gene No.	81720	Strand	-
Start	1	End	2451
Name	OJ000208_07.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	2451
GI	5091513	Score	406
Exons	1..315, 2375..2451		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	39539	Seq. ID	OJ000208_07.0331.C8
Gene No.	81720	Strand	-
Start	1	End	2451
Name	OJ000208_07.0331.C8.o1.gs	Method	GENSCAN
Start	36	End	371
GI	none	Score	.41
Exons	36..371		

Seq. No.	39539	Seq. ID	OJ000208_07.0331.C8
Gene No.	81720	Strand	-
Start	1	End	2451
Name	OJ000208_07.0331.C8.o1.gp	Method	AAT/GAP
Start	1622	End	2007
GI	uC-osflcyp033a04b1	Score	637
Exons	1622..2007		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39540	Seq. ID	OJ000208_07.0331.C9
Gene No.	81721	Strand	+
Start	501	End	604
Name	OJ000208_07.0331.C9.o1.gs	Method	GENSCAN
Start	501	End	604
GI	none	Score	.49
Exons	501..604		

Seq. No.	39541	Seq. ID	OJ000208_07.0331.C10
Gene No.	81722	Strand	-
Start	1	End	1199
Name	OJ000208_07.0331.C10.o1.np	Method	AAT/NAP
Start	1	End	1199
GI	7485810	Score	349
Exons	1..578, 1129..1199		
GI Descrip.	hypothetical protein F19I3.26 - Arabidopsis thaliana gi|3033399|gb|AAC12843.1| (AC004238) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39541	Seq. ID	OJ000208_07.0331.C10
Gene No.	81722	Strand	-
Start	1	End	1199
Name	OJ000208_07.0331.C10.o2.np	Method	AAT/NAP
Start	1	End	939
GI	6694371	Score	99
Exons	1..20, 418..939		
GI Descrip.	(AF200187) EBNA2-like protein [cercopithicine herpesvirus 15]		

Seq. No.	39541	Seq. ID	OJ000208_07.0331.C10
Gene No.	81722	Strand	-
Start	1	End	1199
Name	OJ000208_07.0331.C10.o1.tm	Method	TBLASTX:Maize
Start	31	End	519
GI	none	Score	80
Exons	31..231, 31..147, 31..300, 73..393, 97..333, 100..486, 100..486, 189..341, 193..519, 247..378		

Seq. No.	39541	Seq. ID	OJ000208_07.0331.C10
Gene No.	81722	Strand	-
Start	1	End	1199
Name	OJ000208_07.0331.C10.o1.ts	Method	TBLASTX:Soybean
Start	31	End	426
GI	none	Score	133
Exons	31..192, 53..256, 73..285, 166..333, 166..378, 265..423, 265..414, 355..426, 355..414		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81723	Strand	+
Start	203	End	594
Name	OJ000208_07.0331.C11.o1.gp	Method	AAT/GAP
Start	203	End	594
GI	3760523	Score	704
Exons	203..594		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o2.gp	Method	AAT/GAP
Start	757	End	1067
GI	2799285	Score	395
Exons	757..899, 991..1067		
GI Descrip.	2832685/emb|CAA16785.1| 8.0e-21 (AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11

Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o1.tc	Method	TBLASTX:Cress
Start	795	End	1082
GI	none	Score	116
Exons	795..899, 809..901, 809..898, 814..900, 978..1082, 985..1080		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o1.gs	Method	GENSCAN
Start	806	End	899
GI	none	Score	.64
Exons	806..899		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o1.np	Method	AAT/NAP
Start	806	End	1082
GI	7486829	Score	236
Exons	806..899, 991..1082		
GI Descrip.	hypothetical protein T10I14.180 - Arabidopsis thaliana gi|2832685|emb|CAA16785.1| (AL021712) putative protein [Arabidopsis thaliana] gi|7269081|emb|CAB79190.1| (AL161557) putative protein [Arabidopsis thaliana]		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	806	End	1082
GI	none	Score	91
Exons	806..898, 807..899, 812..901, 978..1079, 978..1082, 985..1080		

Seq. No.	39543	Seq. ID	OJ000208_07.0331.C12
Gene No.	81725	Strand	+
Start	53	End	130
Name	OJ000208_07.0331.C12.o1.gs	Method	GENSCAN
Start	53	End	130
GI	none	Score	.94
Exons	53..130		

Seq. No.	39544	Seq. ID	OJ000208_07.0331.C13
Gene No.	81726	Strand	+
Start	388	End	1011
Name	OJ000208_07.0331.C13.o1.gp	Method	AAT/GAP
Start	388	End	991
GI	1024_1.R1084	Score	487
Exons	388..496, 829..991		
GI Descrip.	'2832685/emb|CAA16785.1| 8.0e-21 (AL021712) putative protein [Arabidopsis thaliana]'		

Seq. No.	39544	Seq. ID	OJ000208_07.0331.C13
Gene No.	81726	Strand	+
Start	388	End	1011
Name	OJ000208_07.0331.C13.o1.gs	Method	GENSCAN

Start	399	End	990
GI	none	Score	.93
Exons	399..496, 829..990		

Seq. No.	39544	Seq. ID	OJ000208_07.0331.C13
Gene No.	81726	Strand	+
Start	388	End	1011
Name	OJ000208_07.0331.C13.o1.tw	Method	TBLASTX:Wheat
Start	419	End	990
GI	none	Score	87
Exons	419..499, 431..496, 818..988, 822..989, 826..990, 828..989		

Seq. No.	39544	Seq. ID	OJ000208_07.0331.C13
Gene No.	81726	Strand	+
Start	388	End	1011
Name	OJ000208_07.0331.C13.o1.np	Method	AAT/NAP
Start	431	End	991
GI	7446462	Score	311
Exons	431..496, 829..991		
GI Descrip.	RAD23 protein homolog - rice gi|1488297|gb|AAB65841.1| (U63530) osRAD23 [Oryza sativa]		

Seq. No.	39544	Seq. ID	OJ000208_07.0331.C13
Gene No.	81726	Strand	+
Start	388	End	1011
Name	OJ000208_07.0331.C13.o1.ts	Method	TBLASTX:Soybean
Start	431	End	984
GI	none	Score	61
Exons	431..484, 829..984, 834..983		

Seq. No.	39544	Seq. ID	OJ000208_07.0331.C13
Gene No.	81726	Strand	+
Start	388	End	1011
Name	OJ000208_07.0331.C13.o1.tc	Method	TBLASTX:Cress
Start	431	End	990
GI	none	Score	62
Exons	431..499, 827..973, 828..980, 829..990, 895..990		

Seq. No.	39544	Seq. ID	OJ000208_07.0331.C13
Gene No.	81726	Strand	+
Start	388	End	1011
Name	OJ000208_07.0331.C13.o1.tm	Method	TBLASTX:Maize
Start	433	End	1011
GI	none	Score	59
Exons	433..498, 433..498, 434..523, 822..992, 826..996, 827..991, 828..995, 895..1011		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81727	Strand	+
Start	799	End	1314
Name	OJ000208_07.0331.C14.o2.gp	Method	AAT/GAP
Start	799	End	1314
GI	uC-osflM202048c12b1	Score	804
Exons	799..1314		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81728	Strand	+
Start	4036	End	6985
Name	OJ000208_07.0331.C14.o4.gp	Method	AAT/GAP
Start	3962	End	4873
GI	none	Score	1667
Exons	3962..4873		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81728	Strand	+
Start	4036	End	6985
Name	OJ000208_07.0331.C14.o2.gs	Method	GENSCAN
Start	4036	End	6985
GI	none	Score	.86
Exons	4036..4425, 4465..4572, 5801..6339, 6502..6641, 6900..6985		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81729	Strand	+
Start	7599	End	9499
Name	OJ000208_07.0331.C14.o5.gp	Method	AAT/GAP
Start	7419	End	7802
GI	uC-osflcyp033a04b1	Score	705
Exons	7419..7802		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81729	Strand	+
Start	7599	End	9499
Name	OJ000208_07.0331.C14.o3.gs	Method	GENSCAN
Start	7599	End	9499
GI	none	Score	.86
Exons	7599..7670, 8690..9499		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81730	Strand	+
Start	9749	End	12735
Name	OJ000208_07.0331.C14.o1.np	Method	AAT/NAP
Start	9749	End	12735
GI	4680179	Score	2064
Exons	9749..10828, 10862..11980, 12716..12735		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81730	Strand	+
Start	9749	End	12735
Name	OJ000208_07.0331.C14.o4.gs	Method	GENSCAN
Start	9749	End	12013
GI	none	Score	.93
Exons	9749..12013		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81731	Strand	-
Start	63	End	337
Name	OJ000208_07.0331.C14.o1.gp	Method	AAT/GAP
Start	63	End	337
GI	61605_1.R1084	Score	456

Exons	63..337		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81732	Strand	
Start	9989	End	10188
Name	OJ000208_07.0331.C14.o4.tw	Method	TBLASTX:Wheat
Start	9989	End	10188
GI	none	Score	211
Exons	9989..10186, 9991..10188		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81733	Strand	
Start	10194	End	10573
Name	OJ000208_07.0331.C14.o2.tw	Method	TBLASTX:Wheat
Start	10194	End	10573
GI	none	Score	66
Exons	10194..10391, 10222..10416, 10223..10573		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81733	Strand	
Start	10194	End	10573
Name	OJ000208_07.0331.C14.o2.tm	Method	TBLASTX:Maize
Start	10223	End	10528
GI	none	Score	232
Exons	10223..10528, 10237..10353		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81734	Strand	
Start	10853	End	11311
Name	OJ000208_07.0331.C14.o3.tm	Method	TBLASTX:Maize
Start	10853	End	11206
GI	none	Score	189
Exons	10853..11206		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81734	Strand	
Start	10853	End	11311
Name	OJ000208_07.0331.C14.o3.tw	Method	TBLASTX:Wheat
Start	10889	End	11311
GI	none	Score	163
Exons	10889..11098, 10945..11097, 11143..11256, 11144..11311		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81735	Strand	
Start	11422	End	11962
Name	OJ000208_07.0331.C14.o1.tw	Method	TBLASTX:Wheat
Start	11422	End	11908
GI	none	Score	52
Exons	11422..11865, 11426..11476, 11531..11908		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81735	Strand	
Start	11422	End	11962
Name	OJ000208_07.0331.C14.o1.tm	Method	TBLASTX:Maize
Start	11531	End	11962

GI	none	Score	366
Exons	11531..11962, 11570..11749, 11761..11955		

Seq. No.	39546	Seq. ID	OJ000208_07.0331.C15
Gene No.	81736	Strand	+
Start	1	End	846
Name	OJ000208_07.0331.C15.o1.np	Method	AAT/NAP
Start	1	End	846
GI	6983860	Score	448
Exons	1..538, 820..846		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39546	Seq. ID	OJ000208_07.0331.C15
Gene No.	81736	Strand	+
Start	1	End	846
Name	OJ000208_07.0331.C15.o1.tw	Method	TBLASTX:Wheat
Start	60	End	411
GI	none	Score	288
Exons	60..254, 61..411		

Seq. No.	39546	Seq. ID	OJ000208_07.0331.C15
Gene No.	81736	Strand	+
Start	1	End	846
Name	OJ000208_07.0331.C15.o1.tm	Method	TBLASTX:Maize
Start	61	End	366
GI	none	Score	230
Exons	61..366, 75..191		

Seq. No.	39546	Seq. ID	OJ000208_07.0331.C15
Gene No.	81736	Strand	+
Start	1	End	846
Name	OJ000208_07.0331.C15.o1.gs	Method	GENSCAN
Start	72	End	705
GI	none	Score	.45
Exons	72..705		

Seq. No.	39547	Seq. ID	OJ000208_07.0331.C18
Gene No.	81737	Strand	+
Start	528	End	2614
Name	OJ000208_07.0331.C18.o1.np	Method	AAT/NAP
Start	528	End	2614
GI	6226648	Score	1003
Exons	528..630, 712..765, 848..922, 1040..1108, 1193..1276, 1468..1665, 1781..2280, 2364..2614		
GI Descrip.	DNA MISMATCH REPAIR PROTEIN MSH6 gi|7487955|pir||T01508 mismatch repair enzyme T10M13.8 - Arabidopsis thaliana gi|3912921|gb|AAC78699.1| (AF001308) G/T DNA mismatch repair enzyme [Arabidopsis thaliana] gi|5763966|emb|CAB53337.1| (AJ245967) mismatch repair protein msh6-1 [Arabidopsis thaliana] gi|7268591|emb|CAB80700.1| (AL161493) G/T DNA mismatch repair enzyme [Ara		

Seq. No.	39547	Seq. ID	OJ000208_07.0331.C18
Gene No.	81737	Strand	+
Start	528	End	2614
Name	OJ000208_07.0331.C18.o1.tm	Method	TBLASTX:Maize

Start	606	End	1234
GI	none	Score	65
Exons	606..629, 711..764, 711..764, 712..780, 845..895, 847..921, 848..922, 1037..1108, 1040..1108, 1043..1099, 1175..1234, 1190..1234		

Seq. No.	39547	Seq. ID	OJ000208_07.0331.C18
Gene No.	81737	Strand	+
Start	528	End	2614
Name	OJ000208_07.0331.C18.o1.gs	Method	GENSCAN
Start	848	End	2493
GI	none	Score	.89
Exons	848..922, 1193..1276, 1468..1665, 1781..2280, 2364..2493		

Seq. No.	39548	Seq. ID	OJ000208_07.0331.C19
Gene No.	81738	Strand	+
Start	644	End	1931
Name	OJ000208_07.0331.C19.o1.np	Method	AAT/NAP
Start	644	End	1931
GI	7012942	Score	571
Exons	644..735, 1194..1372, 1532..1734, 1816..1931		
GI Descrip.	(AF227632) mismatch binding protein Mus3 [Zea mays]		

Seq. No.	39548	Seq. ID	OJ000208_07.0331.C19
Gene No.	81739	Strand	-
Start	1243	End	1906
Name	OJ000208_07.0331.C19.o1.gs	Method	GENSCAN
Start	1243	End	1906
GI	none	Score	.46
Exons	1243..1347, 1622..1698, 1849..1906		

Seq. No.	39549	Seq. ID	OJ000208_07.0331.C21
Gene No.	81740	Strand	+
Start	9	End	715
Name	OJ000208_07.0331.C21.o1.gs	Method	GENSCAN
Start	9	End	641
GI	none	Score	.47
Exons	9..641		

Seq. No.	39549	Seq. ID	OJ000208_07.0331.C21
Gene No.	81740	Strand	+
Start	9	End	715
Name	OJ000208_07.0331.C21.o1.gp	Method	AAT/GAP
Start	284	End	715
GI	95437_1.R1084	Score	714
Exons	284..715		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.np	Method	AAT/NAP
Start	1	End	2792
GI	4680179	Score	3855
Exons	1..2792		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o6.tw	Method	TBLASTX:Wheat
Start	10	End	315
GI	none	Score	111
Exons	10..228, 229..315		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o4.tw	Method	TBLASTX:Wheat
Start	319	End	801
GI	none	Score	51
Exons	319..369, 423..758, 424..801		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o5.tm	Method	TBLASTX:Maize
Start	331	End	620
GI	none	Score	277
Exons	331..618, 429..620		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.tc	Method	TBLASTX:Cress
Start	448	End	765
GI	none	Score	180
Exons	448..765		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o3.tm	Method	TBLASTX:Maize
Start	688	End	1188
GI	none	Score	167
Exons	688..867, 696..842, 874..1188, 1014..1067, 1016..1072, 1095..1145		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.ts	Method	TBLASTX:Soybean
Start	742	End	1137
GI	none	Score	57
Exons	742..774, 744..773, 778..1137, 780..818, 846..1136		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o5.tw	Method	TBLASTX:Wheat
Start	850	End	1152
GI	none	Score	382

Exons	850..1152, 852..1136, 853..1146		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.tw	Method	TBLASTX:Wheat
Start	1153	End	1656
GI	none	Score	625
Exons	1153..1656, 1185..1574		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o3.ts	Method	TBLASTX:Soybean
Start	1159	End	1404
GI	none	Score	212
Exons	1159..1404, 1176..1304		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.tm	Method	TBLASTX:Maize
Start	1224	End	1587
GI	none	Score	482
Exons	1224..1574, 1225..1578, 1225..1587		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o3.tw	Method	TBLASTX:Wheat
Start	1656	End	2144
GI	none	Score	539
Exons	1656..2093, 1657..2094, 1681..2094, 1682..2122, 2091..2144		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o2.ts	Method	TBLASTX:Soybean
Start	1933	End	2192
GI	none	Score	171
Exons	1933..2112, 1938..2093, 2091..2192, 2126..2191		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o4.tm	Method	TBLASTX:Maize
Start	1992	End	2282
GI	none	Score	141
Exons	1992..2090, 1993..2091, 1993..2094, 2094..2282, 2099..2278		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o2.tw	Method	TBLASTX:Wheat
Start	2151	End	2775
GI	none	Score	558
Exons	2151..2645, 2207..2641, 2641..2679, 2642..2689, 2689..2775,		

2689..2772

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o2.tm	Method	TBLASTX:Maize
Start	2331	End	2790
GI	none	Score	231
Exons	2331..2492, 2334..2483, 2339..2485, 2489..2638, 2490..2642, 2648..2689, 2656..2685, 2688..2789, 2689..2790		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.np	Method	AAT/NAP
Start	1	End	1280
GI	5738372	Score	550
Exons	1..26, 245..352, 410..443, 518..685, 782..1280		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana] gi|7269087|emb|CAB79196.1| (AL161557) putative protein [Arabidopsis thaliana]		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.tm	Method	TBLASTX:Maize
Start	245	End	898
GI	none	Score	175
Exons	245..349, 247..351, 248..352, 342..446, 342..443, 353..472, 355..444, 517..555, 518..559, 527..688, 533..688, 775..888, 779..898, 780..896		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.ts	Method	TBLASTX:Soybean
Start	245	End	823
GI	none	Score	77
Exons	245..325, 246..326, 247..348, 369..443, 518..688, 519..689, 590..697, 779..820, 779..823		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.gs	Method	GENSCAN
Start	249	End	967
GI	none	Score	.97
Exons	249..443, 518..685, 782..967		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.gp	Method	AAT/GAP
Start	317	End	995
GI	uC-osflcyp027f11b1	Score	893
Exons	317..443, 518..685, 782..995		
GI Descrip.	'5881963/gb|AAD55139.1|AF066079_1 2.0e-23 (AF066079)		

dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]'

Seq. No.	39552	Seq. ID	OJ000208_07.0331.C25
Gene No.	81743	Strand	-
Start	1	End	2730
Name	OJ000208_07.0331.C25.o1.np	Method	AAT/NAP
Start	1	End	2730
GI	7486824	Score	262
Exons	1..120, 1136..1360, 2491..2730		
GI Descrip.	hypothetical protein T10I14.120 - Arabidopsis thaliana gi|2832679|emb|CAA16779.1| (AL021712) putative protein [Arabidopsis thaliana] gi|7269075|emb|CAB79184.1| (AL161557) putative protein [Arabidopsis thaliana]		

Seq. No.	39552	Seq. ID	OJ000208_07.0331.C25
Gene No.	81743	Strand	-
Start	1	End	2730
Name	OJ000208_07.0331.C25.o1.tm	Method	TBLASTX:Maize
Start	5	End	1208
GI	none	Score	194
Exons	5..121, 7..120, 1110..1208, 1125..1172, 1132..1179, 1133..1204		

Seq. No.	39552	Seq. ID	OJ000208_07.0331.C25
Gene No.	81743	Strand	-
Start	1	End	2730
Name	OJ000208_07.0331.C25.o1.gs	Method	GENSCAN
Start	1136	End	1483
GI	none	Score	.6
Exons	1136..1483		

Seq. No.	39553	Seq. ID	OJ000208_07.0331.C28
Gene No.	81744	Strand	+
Start	213	End	657
Name	OJ000208_07.0331.C28.o1.gs	Method	GENSCAN
Start	213	End	657
GI	none	Score	.51
Exons	213..301, 309..495, 497..657		

Seq. No.	39554	Seq. ID	OJ000208_07.0331.C29
Gene No.	81745	Strand	+
Start	1	End	980
Name	OJ000208_07.0331.C29.o1.np	Method	AAT/NAP
Start	1	End	980
GI	6983860	Score	1451
Exons	1..980		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39554	Seq. ID	OJ000208_07.0331.C29
Gene No.	81745	Strand	+
Start	1	End	980
Name	OJ000208_07.0331.C29.o2.tm	Method	TBLASTX:Maize
Start	1	End	156
GI	none	Score	205
Exons	1..156, 3..128		

Seq. No.	39554	Seq. ID	OJ000208_07.0331.C29

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Gene No.       81745                           Strand    +
Start          1                               End       980
Name           OJ000208_07.0331.C29.o1.tw      Method    TBLASTX:Wheat
Start          1                               End       603
GI             none                            Score     678
Exons          1..603, 33..491, 478..600

Seq. No.       39554                           Seq. ID   OJ000208_07.0331.C29
Gene No.       81745                           Strand    +
Start          1                               End       980
Name           OJ000208_07.0331.C29.o1.gs      Method    GENSCAN
Start          102                             End       921
GI             none                            Score     .44
Exons          102..921

Seq. No.       39554                           Seq. ID   OJ000208_07.0331.C29
Gene No.       81745                           Strand    +
Start          1                               End       980
Name           OJ000208_07.0331.C29.o1.tm      Method    TBLASTX:Maize
Start          157                             End       756
GI             none                            Score     231
Exons          157..318, 165..311, 315..413, 315..740, 316..756, 478..741

Seq. No.       39554                           Seq. ID   OJ000208_07.0331.C29
Gene No.       81745                           Strand    +
Start          1                               End       980
Name           OJ000208_07.0331.C29.o2.tw      Method    TBLASTX:Wheat
Start          603                             End       935
GI             none                            Score     284
Exons          603..836, 604..864, 855..935

Seq. No.       39555                           Seq. ID   OJ000208_07.0331.C30
Gene No.       81746                           Strand    +
Start          266                             End       649
Name           OJ000208_07.0331.C30.o1.gp      Method    AAT/GAP
Start          266                             End       649
GI             uC-osflcyp033a04b1              Score     665
Exons          266..649
GI Descrip.    '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic
               DNA, chromosome 1, clone:P0711E10'

Seq. No.       39555                           Seq. ID   OJ000208_07.0331.C30
Gene No.       81747                           Strand    -
Start          199                             End       1749
Name           OJ000208_07.0331.C30.o1.np      Method    AAT/NAP
Start          199                             End       1749
GI             4680186                         Score     344
Exons          199..400, 1234..1285, 1725..1749
GI Descrip.    (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.       39555                           Seq. ID   OJ000208_07.0331.C30
Gene No.       81747                           Strand    -
Start          199                             End       1749
Name           OJ000208_07.0331.C30.o1.gs      Method    GENSCAN
Start          1072                            End       1348
GI             none                            Score     .93
Exons          1072..1285, 1311..1348
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Seq. No.	39555	Seq. ID	OJ000208_07.0331.C30
Gene No.	81747	Strand	-
Start	199	End	1749
Name	OJ000208_07.0331.C30.o3.gp	Method	AAT/GAP
Start	1330	End	1749
GI	none	Score	747
Exons	1330..1749		

Seq. No.	39556	Seq. ID	OJ000208_07.0331.C31
Gene No.	81748	Strand	+
Start	275	End	1883
Name	OJ000208_07.0331.C31.o1.np	Method	AAT/NAP
Start	275	End	1883
GI	5852179	Score	431
Exons	275..295, 1285..1503, 1578..1883		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	39556	Seq. ID	OJ000208_07.0331.C31
Gene No.	81749	Strand	-
Start	764	End	1710
Name	OJ000208_07.0331.C31.o1.gp	Method	AAT/GAP
Start	634	End	1370
GI	101153_1.R1084	Score	400
Exons	634..884, 1333..1370		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39556	Seq. ID	OJ000208_07.0331.C31
Gene No.	81749	Strand	-
Start	764	End	1710
Name	OJ000208_07.0331.C31.o1.gs	Method	GENSCAN
Start	764	End	1710
GI	none	Score	.49
Exons	764..864, 1376..1475, 1529..1710		

Seq. No.	39557	Seq. ID	OJ000208_07.0331.C32
Gene No.	81750	Strand	+
Start	922	End	1306
Name	OJ000208_07.0331.C32.o2.gp	Method	AAT/GAP
Start	922	End	1306
GI	uC-osflcyp033a04b1	Score	642
Exons	922..1306		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39557	Seq. ID	OJ000208_07.0331.C32
Gene No.	81751	Strand	-
Start	359	End	490
Name	OJ000208_07.0331.C32.o1.gs	Method	GENSCAN
Start	359	End	490
GI	none	Score	.46
Exons	359..490		

Seq. No.	39557	Seq. ID	OJ000208_07.0331.C32
Gene No.	81752	Strand	-
Start	855	End	1849

Name	OJ000208_07.0331.C32.o1.np	Method	AAT/NAP
Start	855	End	1849
GI	4680186	Score	316
Exons	855..1055, 1786..1849		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.np	Method	AAT/NAP
Start	1	End	873
GI	4263522	Score	482
Exons	1..763, 812..873		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.tm	Method	TBLASTX:Maize
Start	32	End	637
GI	none	Score	57
Exons	32..205, 33..134, 40..201, 43..342, 43..222, 44..226, 44..190, 44..637, 176..400		

Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.tw	Method	TBLASTX:Wheat
Start	47	End	339
GI	none	Score	197
Exons	47..337, 49..339, 164..280		

Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.tc	Method	TBLASTX:Cress
Start	82	End	643
GI	none	Score	287
Exons	82..276, 125..643		

Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.ts	Method	TBLASTX:Soybean
Start	194	End	733
GI	none	Score	286
Exons	194..733		

Seq. No.	39559	Seq. ID	OJ000208_07.0331.C36
Gene No.	81754	Strand	-
Start	1203	End	1373
Name	OJ000208_07.0331.C36.o1.gs	Method	GENSCAN
Start	1203	End	1373
GI	none	Score	.62
Exons	1203..1373		

Seq. No.	39560	Seq. ID	OJ000208_07.0331.C39

Gene No.	81755	Strand	+
Start	1	End	346
Name	OJ000208_07.0331.C39.o1.np	Method	AAT/NAP
Start	1	End	346
GI	4680186	Score	204
Exons	1..346		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39560	Seq. ID	OJ000208_07.0331.C39
Gene No.	81756	Strand	-
Start	1	End	274
Name	OJ000208_07.0331.C39.o1.gp	Method	AAT/GAP
Start	1	End	274
GI	uC-osflcyp033a04b1	Score	421
Exons	1..274		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39561	Seq. ID	OJ000208_07.0331.C40
Gene No.	81757	Strand	+
Start	257	End	2276
Name	OJ000208_07.0331.C40.o1.gs	Method	GENSCAN
Start	257	End	1206
GI	none	Score	.8
Exons	257..311, 552..1206		

Seq. No.	39561	Seq. ID	OJ000208_07.0331.C40
Gene No.	81757	Strand	+
Start	257	End	2276
Name	OJ000208_07.0331.C40.o1.np	Method	AAT/NAP
Start	333	End	2276
GI	6063554	Score	150
Exons	333..377, 714..878, 977..1047, 2104..2276		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o1.np	Method	AAT/NAP
Start	1	End	996
GI	4680203	Score	878
Exons	1..996		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o1.gs	Method	GENSCAN
Start	196	End	771
GI	none	Score	.62
Exons	196..443, 585..771		

Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279

Name	OJ000208_07.0331.C42.o1.ts	Method	TBLASTX:Soybean
Start	244	End	534
GI	none	Score	103
Exons	244..309, 316..534, 323..526		

Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o1.tw	Method	TBLASTX:Wheat
Start	316	End	675
GI	none	Score	213
Exons	316..567, 317..559, 550..675, 567..626		

Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o1.tm	Method	TBLASTX:Maize
Start	411	End	624
GI	none	Score	115
Exons	411..545, 412..552, 413..538, 553..624		

Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o2.np	Method	AAT/NAP
Start	679	End	1279
GI	5852182	Score	361
Exons	679..1011, 1223..1279		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39563	Seq. ID	OJ000208_07.0331.C45
Gene No.	81759	Strand	
Start	1296	End	1804
Name	OJ000208_07.0331.C45.o1.ts	Method	TBLASTX:Soybean
Start	1296	End	1617
GI	none	Score	112
Exons	1296..1421, 1310..1435, 1393..1617, 1452..1595		

Seq. No.	39563	Seq. ID	OJ000208_07.0331.C45
Gene No.	81759	Strand	
Start	1296	End	1804
Name	OJ000208_07.0331.C45.o1.tm	Method	TBLASTX:Maize
Start	1396	End	1804
GI	none	Score	47
Exons	1396..1461, 1450..1644, 1452..1631, 1501..1803, 1502..1804		

Seq. No.	39564	Seq. ID	OJ000208_07.0331.C46
Gene No.	81760	Strand	+
Start	113	End	864
Name	OJ000208_07.0331.C46.o1.gs	Method	GENSCAN
Start	113	End	864
GI	none	Score	.41
Exons	113..200, 569..668, 838..864		

Seq. No.	39565	Seq. ID	OJ000208_07.0331.C48
Gene No.	81761	Strand	+
Start	695	End	1955

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Name        OJ000208_07.0331.C48.ol.tm     Method    TBLASTX:Maize
Start       620                            End       1468
GI          none                           Score     175
Exons       620..802, 678..806, 711..821, 712..810, 840..1004, 854..1027,
            859..1029, 862..1026, 875..1027, 876..1031, 1201..1464,
            1202..1468, 1202..1465

Seq. No.    39565                          Seq. ID   OJ000208_07.0331.C48
Gene No.    81761                          Strand    +
Start       695                            End       1955
Name        OJ000208_07.0331.C48.ol.ts     Method    TBLASTX:Soybean
Start       680                            End       1333
GI          none                           Score     147
Exons       680..802, 699..806, 861..971, 862..972, 982..1041, 1192..1329,
            1205..1333

Seq. No.    39565                          Seq. ID   OJ000208_07.0331.C48
Gene No.    81761                          Strand    +
Start       695                            End       1955
Name        OJ000208_07.0331.C48.ol.tc     Method    TBLASTX:Cress
Start       681                            End       1465
GI          none                           Score     140
Exons       681..806, 713..796, 855..974, 859..975, 876..974, 982..1041,
            1205..1465, 1225..1383, 1232..1438

Seq. No.    39565                          Seq. ID   OJ000208_07.0331.C48
Gene No.    81761                          Strand    +
Start       695                            End       1955
Name        OJ000208_07.0331.C48.ol.gs     Method    GENSCAN
Start       695                            End       1746
GI          none                           Score     .93
Exons       695..803, 877..1031, 1204..1465, 1552..1746

Seq. No.    39565                          Seq. ID   OJ000208_07.0331.C48
Gene No.    81761                          Strand    +
Start       695                            End       1955
Name        OJ000208_07.0331.C48.ol.np     Method    AAT/NAP
Start       801                            End       1719
GI          3785998                        Score     540
Exons       801..1041, 1214..1465, 1552..1719
GI Descrip. (AC005499) unknown protein [Arabidopsis thaliana]

Seq. No.    39565                          Seq. ID   OJ000208_07.0331.C48
Gene No.    81761                          Strand    +
Start       695                            End       1955
Name        OJ000208_07.0331.C48.ol.tw     Method    TBLASTX:Wheat
Start       1394                           End       1746
GI          none                           Score     97
Exons       1394..1465, 1403..1465, 1543..1746, 1551..1658, 1615..1731

Seq. No.    39565                          Seq. ID   OJ000208_07.0331.C48
Gene No.    81761                          Strand    +
Start       695                            End       1955
Name        OJ000208_07.0331.C48.ol.gp     Method    AAT/GAP
Start       1401                           End       1955
GI          46456_1.R1084                  Score     831
Exons       1401..1465, 1552..1955
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GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	39566	Seq. ID	OJ000208_07.0331.C49
Gene No.	81762	Strand	-
Start	1	End	746
Name	OJ000208_07.0331.C49.o1.np	Method	AAT/NAP
Start	1	End	746
GI	7012942	Score	371
Exons	1..264, 723..746		
GI Descrip.	(AF227632) mismatch binding protein Mus3 [Zea mays]		

Seq. No.	39566	Seq. ID	OJ000208_07.0331.C49
Gene No.	81762	Strand	-
Start	1	End	746
Name	OJ000208_07.0331.C49.o1.gs	Method	GENSCAN
Start	71	End	259
GI	none	Score	.87
Exons	71..259		

Seq. No.	39567	Seq. ID	OJ000208_07.0331.C50
Gene No.	81763	Strand	-
Start	308	End	1374
Name	OJ000208_07.0331.C50.o1.gs	Method	GENSCAN
Start	308	End	1374
GI	none	Score	.4
Exons	308..455, 1135..1182, 1327..1374		

Seq. No.	39568	Seq. ID	OJ000208_07.0331.C51
Gene No.	81764	Strand	+
Start	2599	End	3517
Name	OJ000208_07.0331.C51.o2.gp	Method	AAT/GAP
Start	2599	End	3517
GI	none	Score	1740
Exons	2599..3517		

Seq. No.	39568	Seq. ID	OJ000208_07.0331.C51
Gene No.	81765	Strand	-
Start	1058	End	1501
Name	OJ000208_07.0331.C51.o1.gp	Method	AAT/GAP
Start	1058	End	1501
GI	none	Score	782
Exons	1058..1501		

Seq. No.	39568	Seq. ID	OJ000208_ [illegible] 31.C51
Gene No.	81766	Strand	-
Start	3600	End	4722
Name	OJ000208_07.0331.C51.o2.gs	Method	GENSCAN
Start	3600	End	4722
GI	none	Score	.66
Exons	3600..3626, 4315..4369, 4622..4722		

Seq. No.	39569	Seq. ID	OJ000208_07.0331.C52
Gene No.	81767	Strand	+
Start	1839	End	4379

Name	OJ000208_07.0331.C52.ol.gs	Method	GENSCAN
Start	1839	End	4379
GI	none	Score	.52
Exons	1839..1849, 2394..2428, 2571..2707, 2764..2813, 3692..3731, 3736..3895, 4330..4379		

Seq. No.	39569	Seq. ID	OJ000208_07.0331.C52
Gene No.	81767	Strand	+
Start	1839	End	4379
Name	OJ000208_07.0331.C52.ol.np	Method	AAT/NAP
Start	2524	End	4223
GI	5734709	Score	100
Exons	2524..2758, 3624..3928, 4008..4223		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	39569	Seq. ID	OJ000208_07.0331.C52
Gene No.	81768	Strand	-
Start	3871	End	4310
Name	OJ000208_07.0331.C52.ol.tm	Method	TBLASTX:Maize
Start	3418	End	3836
GI	none	Score	180
Exons	3418..3516, 3418..3453, 3449..3505, 3496..3561, 3610..3684, 3611..3691, 3693..3740, 3730..3831, 3771..3836		

Seq. No.	39569	Seq. ID	OJ000208_07.0331.C52
Gene No.	81768	Strand	-
Start	3871	End	4310
Name	OJ000208_07.0331.C52.ol.gp	Method	AAT/GAP
Start	3871	End	4310
GI	none	Score	848
Exons	3871..4310		

Seq. No.	39570	Seq. ID	OJ000208_07.0331.C53
Gene No.	81769	Strand	-
Start	1043	End	1331
Name	OJ000208_07.0331.C53.ol.gs	Method	GENSCAN
Start	1043	End	1331
GI	none	Score	.49
Exons	1043..1061, 1258..1331		

Seq. No.	39571	Seq. ID	OJ000208_07.0331.C54
Gene No.	81770	Strand	-
Start	1	End	705
Name	OJ000208_07.0331.C54.ol.np	Method	AAT/NAP
Start	1	End	705
GI	5852180	Score	483
Exons	1..56, 185..603, 655..705		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39571	Seq. ID	OJ000208_07.0331.C54
Gene No.	81770	Strand	-
Start	1	End	705
Name	OJ000208_07.0331.C54.ol.gs	Method	GENSCAN
Start	43	End	558
GI	none	Score	.94
Exons	43..558		

Seq. No.	39572	Seq. ID	OJ000208_07.0331.C55
Gene No.	81771	Strand	+
Start	529	End	620
Name	OJ000208_07.0331.C55.o1.gs	Method	GENSCAN
Start	529	End	620
GI	none	Score	.74
Exons	529..620		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81772	Strand	+
Start	254	End	15809
Name	OJ000228_01.0331.C2.o1.gs	Method	GENSCAN
Start	254	End	10253
GI	none	Score	.68
Exons	254..383, 448..1023, 1115..1213, 1286..1438, 1545..2309, 3135..3412, 4626..4684, 4812..5282, 5381..5500, 6062..6640, 6951..7234, 7287..7646, 8211..8267, 9111..10253		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81772	Strand	+
Start	254	End	15809
Name	OJ000228_01.0331.C2.o1.np	Method	AAT/NAP
Start	694	End	3428
GI	7428718	Score	923
Exons	694..1017, 1115..1213, 1286..1438, 1545..2309, 3135..3428		
GI Descrip.	probable kinesin - Arabidopsis thaliana gi|2244771|emb|CAB10194.1| (Z97335) kinesin like protein [Arabidopsis thaliana] gi|7268120|emb|CAB78457.1| (AL161538) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81772	Strand	+
Start	254	End	15809
Name	OJ000228_01.0331.C2.o2.np	Method	AAT/NAP
Start	5210	End	15809
GI	6433962	Score	83
Exons	5210..5250, 10938..11346, 15778..15809		
GI Descrip.	(Y19186) aczonin [Mus musculus]		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81772	Strand	+
Start	254	End	15809
Name	OJ000228_01.0331.C2.o2.gs	Method	GENSCAN
Start	10617	End	12757
GI	none	Score	.94
Exons	10617..10669, 10818..10932, 11053..11418, 12572..12757		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o2.tm	Method	TBLASTX:Maize
Start	45	End	393
GI	none	Score	212
Exons	45..170, 45..161, 47..175, 47..166, 231..383, 285..383, 286..393		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2

Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o1.ts	Method	TBLASTX:Soybean
Start	1114	End	1748
GI	none	Score	117
Exons	1114..1215, 1115..1216, 1285..1443, 1286..1441, 1521..1640, 1647..1748		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o1.tm	Method	TBLASTX:Maize
Start	1294	End	2012
GI	none	Score	166
Exons	1294..1443, 1295..1441, 1295..1444, 1521..1730, 1543..1743, 1618..1731, 1766..2011, 1833..2012		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o1.tc	Method	TBLASTX:Cress
Start	2127	End	3359
GI	none	Score	188
Exons	2127..2309, 2132..2308, 3111..3236, 3222..3359		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o3.gs	Method	GENSCAN
Start	13786	End	13932
GI	none	Score	.8
Exons	13786..13932		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81774	Strand	+
Start	876	End	1008
Name	OJ000228_01.0331.C3.o1.gs	Method	GENSCAN
Start	876	End	1008
GI	none	Score	.42
Exons	876..1008		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81775	Strand	+
Start	2285	End	4207
Name	OJ000228_01.0331.C3.o1.np	Method	AAT/NAP
Start	2285	End	4207
GI	5852093	Score	61
Exons	2285..2461, 4180..4207		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81776	Strand	-
Start	1	End	216
Name	OJ000228_01.0331.C3.o1.gp	Method	AAT/GAP
Start	1	End	216
GI	3061021	Score	284
Exons	1..216		

GI Descrip. 2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81777	Strand	-
Start	1068	End	1133
Name	OJ000228_01.0331.C3.o2.gp	Method	AAT/GAP
Start	1068	End	1133
GI	LIB3477-003-P1-K1-E9	Score	90
Exons	1068..1133		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81778	Strand	-
Start	2800	End	16123
Name	OJ000228_01.0331.C3.o2.gs	Method	GENSCAN
Start	2800	End	13547
GI	none	Score	.55
Exons	2800..2861, 3040..3090, 4141..4316, 9891..10028, 10279..10401, 11453..11778, 11792..11940, 13346..13457, 13491..13547		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81778	Strand	-
Start	2800	End	16123
Name	OJ000228_01.0331.C3.o3.np	Method	AAT/NAP
Start	10651	End	16123
GI	5257279	Score	719
Exons	10651..10673, 15685..16123		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81778	Strand	-
Start	2800	End	16123
Name	OJ000228_01.0331.C3.o3.gs	Method	GENSCAN
Start	14196	End	16123
GI	none	Score	.89
Exons	14196..14303, 15653..16123		

Seq. No.	39575	Seq. ID	OJ000228_01.0331.C17
Gene No.	81779	Strand	-
Start	841	End	1188
Name	OJ000228_01.0331.C17.o1.gs	Method	GENSCAN
Start	841	End	1188
GI	none	Score	1
Exons	841..1188		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.np	Method	AAT/NAP
Start	1	End	972
GI	6682628	Score	488

Exons	1..82, 201..422, 520..756, 884..972
GI Descrip.	(AC016163) putative ATP-dependent RNA helicase [Arabidopsis thaliana]

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.gs	Method	GENSCAN
Start	157	End	779
GI	none	Score	.64
Exons	157..422, 520..779		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.tm	Method	TBLASTX:Maize
Start	204	End	425
GI	none	Score	73
Exons	204..425, 238..411		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.ts	Method	TBLASTX:Soybean
Start	223	End	425
GI	none	Score	213
Exons	223..423, 231..425, 232..423, 240..425		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o2.ts	Method	TBLASTX:Soybean
Start	520	End	971
GI	none	Score	136
Exons	520..759, 521..757, 848..970, 861..971		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.tc	Method	TBLASTX:Cress
Start	532	End	970
GI	none	Score	98
Exons	532..603, 628..759, 644..757, 848..901, 896..970, 897..968		

Seq. No.	39577	Seq. ID	OJ000228_01.0331.C30
Gene No.	81781	Strand	+
Start	515	End	1047
Name	OJ000228_01.0331.C30.o1.gs	Method	GENSCAN
Start	515	End	1047
GI	none	Score	.47
Exons	515..541, 976..1047		

Seq. No.	39578	Seq. ID	OJ000228_01.0331.C31
Gene No.	81782	Strand	+
Start	4088	End	6744
Name	OJ000228_01.0331.C31.o1.np	Method	AAT/NAP
Start	4088	End	6744

GI	6539570	Score	210
Exons	4088..4280, 4440..4504, 6697..6744		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39578	Seq. ID	OJ000228_01.0331.C31
Gene No.	81782	Strand	+
Start	4088	End	6744
Name	OJ000228_01.0331.C31.o2.np	Method	AAT/NAP
Start	5172	End	5308
GI	5922620	Score	163
Exons	5172..5308		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39578	Seq. ID	OJ000228_01.0331.C31
Gene No.	81783	Strand	-
Start	5448	End	6792
Name	OJ000228_01.0331.C31.o3.np	Method	AAT/NAP
Start	5448	End	6792
GI	6630699	Score	72
Exons	5448..5526, 6698..6792		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39578	Seq. ID	OJ000228_01.0331.C31
Gene No.	81784	Strand	-
Start	6846	End	8284
Name	OJ000228_01.0331.C31.o2.gs	Method	GENSCAN
Start	6846	End	8284
GI	none	Score	.42
Exons	6846..6936, 7658..7809, 8159..8284		

Seq. No.	39579	Seq. ID	OJ000228_01.0331.C32
Gene No.	81785	Strand	+
Start	256	End	379
Name	OJ000228_01.0331.C32.o1.gs	Method	GENSCAN
Start	256	End	379
GI	none	Score	.88
Exons	256..379		

Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560
Name	OJ000308_06.0328.C1.o1.tc	Method	TBLASTX:Cress
Start	354	End	1546
GI	none	Score	61
Exons	354..440, 521..601, 522..608, 763..837, 980..1054, 985..1053, 1099..1212, 1130..1198, 1144..1200, 1252..1356, 1260..1358, 1260..1355, 1428..1517, 1430..1546, 1433..1513, 1435..1536		

Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560

Name	OJ000308_06.0328.C1.o1.tm	Method	TBLASTX:Maize
Start	357	End	1546
GI	none	Score	103
Exons	357..440, 359..442, 364..450, 521..601, 522..611, 522..611, 523..612, 758..826, 760..837, 762..833, 971..1057, 975..1046, 980..1054, 1099..1212, 1121..1198, 1252..1356, 1260..1355, 1428..1538, 1430..1546, 1435..1536		

Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560
Name	OJ000308_06.0328.C1.o1.ts	Method	TBLASTX:Soybean
Start	357	End	1546
GI	none	Score	54
Exons	357..440, 521..610, 522..605, 759..833, 763..837, 980..1054, 985..1056, 1127..1198, 1130..1198, 1132..1212, 1144..1200, 1252..1356, 1260..1367, 1260..1355, 1428..1541, 1430..1546, 1433..1543, 1435..1545		

Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560
Name	OJ000308_06.0328.C1.o1.tw	Method	TBLASTX:Wheat
Start	758	End	1512
GI	none	Score	61
Exons	758..820, 759..833, 760..837, 763..837, 980..1054, 985..1056, 1084..1212, 1121..1198, 1252..1356, 1260..1358, 1260..1355, 1430..1507, 1435..1512, 1435..1506		

Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560
Name	OJ000308_06.0328.C1.o1.gp	Method	AAT/GAP
Start	982	End	1560
GI	LIB3433-056-P1-K1-E2	Score	560
Exons	982..1053, 1132..1198, 1261..1356, 1436..1560		
GI Descrip.	'5669871/gb|AAD46491.1|AF135014_1 1.0e-71 (AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]'		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81787	Strand	+
Start	191	End	555
Name	OJ000308_06.0328.C2.o1.gp	Method	AAT/GAP
Start	191	End	555
GI	5003232	Score	628
Exons	191..555		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81788	Strand	+
Start	8990	End	10631
Name	OJ000308_06.0328.C2.o2.tm	Method	TBLASTX:Maize
Start	3862	End	4561
GI	none	Score	39
Exons	3862..3951, 3880..3921, 3940..4134, 3986..4141, 4151..4306, 4166..4309, 4197..4313, 4201..4317, 4308..4433, 4310..4438, 4381..4446, 4421..4561		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81788	Strand	+
Start	8990	End	10631
Name	OJ000308_06.0328.C2.o1.tw	Method	TBLASTX:Wheat
Start	4081	End	4430
GI	none	Score	56
Exons	4081..4131, 4248..4313, 4307..4426, 4311..4430		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81788	Strand	+
Start	8990	End	10631
Name	OJ000308_06.0328.C2.o4.tm	Method	TBLASTX:Maize
Start	4672	End	4989
GI	none	Score	107
Exons	4672..4989, 4698..4985		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81788	Strand	+
Start	8990	End	10631
Name	OJ000308_06.0328.C2.o2.tw	Method	TBLASTX:Wheat
Start	4920	End	5354
GI	none	Score	169
Exons	4920..5048, 5058..5354		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81788	Strand	+
Start	8990	End	10631
Name	OJ000308_06.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	4995	End	5549
GI	none	Score	213
Exons	4995..5549, 5002..5451		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81788	Strand	+
Start	8990	End	10631
Name	OJ000308_06.0328.C2.o3.tm	Method	TBLASTX:Maize
Start	8869	End	10627
GI	none	Score	306
Exons	8869..9024, 8870..9136, 9067..9132, 10021..10155, 10023..10121, 10053..10166, 10076..10165, 10547..10627		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81788	Strand	+
Start	8990	End	10631
Name	OJ000308_06.0328.C2.o1.tc	Method	TBLASTX:Cress
Start	8972	End	10627
GI	none	Score	211
Exons	8972..9136, 10021..10161, 10023..10118, 10088..10159, 10583..10627		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81788	Strand	+
Start	8990	End	10631
Name	OJ000308_06.0328.C2.o2.gp	Method	AAT/GAP
Start	8990	End	10631
GI	1078_1.R1084	Score	574
Exons	8990..9133, 10024..10154, 10585..10631		

GI Descrip.	'2708745 0.0e+00 (AC003952) putative calcium-dependent ser/thr protein kinase [Arabidopsis thaliana]'

Seq. No.	39582	Seq. ID	OJ000308_06.0328.C6
Gene No.	81789	Strand	-
Start	1520	End	2137
Name	OJ000308_06.0328.C6.o1.gp	Method	AAT/GAP
Start	1520	End	2137
GI	568812	Score	523
Exons	1520..1549, 1888..2137		

Seq. No.	39582	Seq. ID	OJ000308_06.0328.C6
Gene No.	81790	Strand	
Start	9619	End	9811
Name	OJ000308_06.0328.C6.o1.tc	Method	TBLASTX:Cress
Start	9619	End	9811
GI	none	Score	108
Exons	9619..9807, 9722..9811		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o7.tw	Method	TBLASTX:Wheat
Start	607	End	960
GI	none	Score	210
Exons	607..960		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o1.ts	Method	TBLASTX:Soybean
Start	2134	End	2559
GI	none	Score	407
Exons	2134..2559, 2136..2435, 2230..2547		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o2.tw	Method	TBLASTX:Wheat
Start	2134	End	2538
GI	none	Score	417
Exons	2134..2538, 2136..2429, 2137..2508		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o2.tm	Method	TBLASTX:Maize
Start	2422	End	2784
GI	none	Score	214
Exons	2422..2784		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o1.tw	Method	TBLASTX:Wheat
Start	2635	End	3067
GI	none	Score	541

Exons	2635..3066, 2637..3056, 2726..3067		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o1.tm	Method	TBLASTX:Maize
Start	2800	End	3348
GI	none	Score	275
Exons	2800..3213, 2892..3212, 3205..3348		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o4.ts	Method	TBLASTX:Soybean
Start	2926	End	3261
GI	none	Score	71
Exons	2926..2991, 2991..3206, 2992..3261		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o3.tw	Method	TBLASTX:Wheat
Start	3070	End	3381
GI	none	Score	373
Exons	3070..3381, 3072..3227, 3249..3371		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o6.tw	Method	TBLASTX:Wheat
Start	3385	End	3802
GI	none	Score	193
Exons	3385..3585, 3387..3569, 3406..3570, 3573..3647, 3577..3648, 3661..3735, 3734..3802		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o5.ts	Method	TBLASTX:Soybean
Start	3391	End	3569
GI	none	Score	183
Exons	3391..3531, 3406..3507, 3537..3569		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o1.tc	Method	TBLASTX:Cress
Start	3568	End	3898
GI	none	Score	59
Exons	3568..3627, 3694..3729, 3734..3898, 3748..3897		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o3.ts	Method	TBLASTX:Soybean
Start	3919	End	4273
GI	none	Score	71

Exons	3919..3960, 3920..3961, 3956..4273, 3958..4272		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o5.tw	Method	TBLASTX:Wheat
Start	3920	End	4318
GI	none	Score	326
Exons	3920..4318, 3925..4278		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o2.gp	Method	AAT/GAP
Start	5826	End	6347
GI	uC-osflM202048c12b1	Score	812
Exons	5826..6347		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81792	Strand	
Start	7123	End	7534
Name	OJ000308_06.0328.C7.o2.ts	Method	TBLASTX:Soybean
Start	7123	End	7534
GI	none	Score	99
Exons	7123..7251, 7124..7441, 7128..7232, 7129..7440, 7454..7534		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81792	Strand	
Start	7123	End	7534
Name	OJ000308_06.0328.C7.o4.tw	Method	TBLASTX:Wheat
Start	7123	End	7444
GI	none	Score	343
Exons	7123..7443, 7124..7444		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81793	Strand	-
Start	4847	End	5277
Name	OJ000308_06.0328.C8.o5.tw	Method	TBLASTX:Wheat
Start	966	End	1373
GI	none	Score	63
Exons	966..1115, 966..1112, 1155..1373, 1159..1359		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81793	Strand	-
Start	4847	End	5277
Name	OJ000308_06.0328.C8.o2.tc	Method	TBLASTX:Cress
Start	4524	End	4997
GI	none	Score	97
Exons	4524..4592, 4797..4997, 4903..4992		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81793	Strand	-
Start	4847	End	5277
Name	OJ000308_06.0328.C8.o1.gp	Method	AAT/GAP
Start	4847	End	5277

GI	uC-osflcyp034f01b1	Score	853
Exons	4847..5277		
GI Descrip.	'1732406 3.0e-11 (U81157) S25-XP1 DNA binding protein [Nicotiana tabacum]'		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81794	Strand	
Start	21222	End	21733
Name	OJ000308_06.0328.C8.o4.tw	Method	TBLASTX:Wheat
Start	21222	End	21581
GI	none	Score	56
Exons	21222..21275, 21238..21276, 21287..21466, 21288..21446, 21426..21581, 21447..21575		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81794	Strand	
Start	21222	End	21733
Name	OJ000308_06.0328.C8.o1.tm	Method	TBLASTX:Maize
Start	21420	End	21733
GI	none	Score	353
Exons	21420..21731, 21426..21728, 21428..21733		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81795	Strand	
Start	22300	End	22621
Name	OJ000308_06.0328.C8.o3.tm	Method	TBLASTX:Maize
Start	22300	End	22621
GI	none	Score	88
Exons	22300..22350, 22302..22352, 22303..22353, 22342..22536, 22343..22543, 22422..22586, 22558..22602, 22559..22621		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81796	Strand	
Start	22855	End	23698
Name	OJ000308_06.0328.C8.o5.tm	Method	TBLASTX:Maize
Start	22855	End	23292
GI	none	Score	165
Exons	22855..23037, 22856..23065, 23125..23292		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81796	Strand	
Start	22855	End	23698
Name	OJ000308_06.0328.C8.o3.ts	Method	TBLASTX:Soybean
Start	22895	End	23292
GI	none	Score	139
Exons	22895..23065, 22903..23061, 23119..23292, 23121..23159		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81796	Strand	
Start	22855	End	23698
Name	OJ000308_06.0328.C8.o1.tw	Method	TBLASTX:Wheat
Start	22943	End	23698
GI	none	Score	189
Exons	22943..23071, 22951..23067, 23050..23418, 23064..23255, 23064..23444, 23065..23451, 23463..23678, 23466..23672, 23489..23698, 23539..23697		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o1.ts	Method	TBLASTX:Soybean
Start	23624	End	24082
GI	5509260	Score	343
Exons	23624..24082, 23713..23931, 23894..24061, 24004..24063		
GI Descrip.	-		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o1.tc	Method	TBLASTX:Cress
Start	23711	End	23971
GI	none	Score	273
Exons	23711..23971, 23713..23883		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o2.tm	Method	TBLASTX:Maize
Start	23752	End	24199
GI	none	Score	328
Exons	23752..23934, 23753..24199, 23888..24070		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o3.tw	Method	TBLASTX:Wheat
Start	23753	End	24298
GI	none	Score	293
Exons	23753..24097, 23900..24073, 24092..24298, 24167..24268		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o2.ts	Method	TBLASTX:Soybean
Start	24151	End	24496
GI	none	Score	276
Exons	24151..24351, 24152..24496		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o4.tm	Method	TBLASTX:Maize
Start	24307	End	24646
GI	none	Score	315
Exons	24307..24645, 24308..24646		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o2.tw	Method	TBLASTX:Wheat
Start	24502	End	24976
GI	none	Score	101
Exons	24502..24573, 24503..24577, 24591..24899, 24592..24945, 24592..24972, 24593..24976		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o4.ts	Method	TBLASTX:Soybean
Start	24509	End	24850
GI	none	Score	95
Exons	24509..24622, 24535..24615, 24641..24850, 24641..24829		

Seq. No.	39585	Seq. ID	OJ000308_06.0328.C9
Gene No.	81798	Strand	-
Start	864	End	2895
Name	OJ000308_06.0328.C9.o1.gp	Method	AAT/GAP
Start	864	End	2895
GI	1078_1.R1084	Score	620
Exons	864..971, 1060..1175, 1958..2086, 2840..2895		
GI Descrip.	'2708745 0.0e+00 (AC003952) putative calcium-dependent ser/thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	39585	Seq. ID	OJ000308_06.0328.C9
Gene No.	81798	Strand	-
Start	864	End	2895
Name	OJ000308_06.0328.C9.o1.tc	Method	TBLASTX:Cress
Start	864	End	1174
GI	none	Score	92
Exons	864..971, 865..978, 1042..1173, 1064..1174		

Seq. No.	39585	Seq. ID	OJ000308_06.0328.C9
Gene No.	81798	Strand	-
Start	864	End	2895
Name	OJ000308_06.0328.C9.o1.tm	Method	TBLASTX:Maize
Start	867	End	2085
GI	none	Score	147
Exons	867..971, 1042..1176, 1059..1181, 1061..1174, 1959..2084, 1963..2085		

Seq. No.	39585	Seq. ID	OJ000308_06.0328.C9
Gene No.	81798	Strand	-
Start	864	End	2895
Name	OJ000308_06.0328.C9.o1.ts	Method	TBLASTX:Soybean
Start	1948	End	2088
GI	none	Score	135
Exons	1948..2088, 1951..2085, 1953..2087		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81799	Strand	+
Start	5233	End	9836
Name	OJ000208_08.0321.C3.o1.np	Method	AAT/NAP
Start	5233	End	9607
GI	4680183	Score	4692
Exons	5233..7712, 8208..8250, 8338..8760, 9495..9607		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81799	Strand	+
Start	5233	End	9836
Name	OJ000208_08.0321.C3.o2.gs	Method	GENSCAN

Start	5233	End	9836
GI	none	Score	.83
Exons	5233..5588, 5621..8164, 8261..9836		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81799	Strand	+
Start	5233	End	9836
Name	OJ000208_08.0321.C3.o2.np	Method	AAT/NAP
Start	8853	End	9668
GI	4680180	Score	1361
Exons	8853..9668		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81800	Strand	-
Start	7741	End	9791
Name	OJ000208_08.0321.C3.o3.np	Method	AAT/NAP
Start	7741	End	9791
GI	5902448	Score	126
Exons	7741..7854, 9677..9791		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o5.tw	Method	TBLASTX:Wheat
Start	6533	End	6935
GI	none	Score	293
Exons	6533..6802, 6534..6935		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o3.tw	Method	TBLASTX:Wheat
Start	7512	End	8189
GI	none	Score	143
Exons	7512..7688, 7733..7969, 7737..7967, 8073..8189		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o1.tw	Method	TBLASTX:Wheat
Start	8189	End	8645
GI	none	Score	471
Exons	8189..8644, 8190..8645		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o2.ts	Method	TBLASTX:Soybean
Start	8238	End	8594
GI	none	Score	130
Exons	8238..8453, 8460..8594		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577

Name	OJ000208_08.0321.C3.o2.tm	Method	TBLASTX:Maize
Start	8319	End	8675
GI	none	Score	362
Exons	8319..8675, 8360..8665		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o2.tw	Method	TBLASTX:Wheat
Start	8760	End	9184
GI	none	Score	445
Exons	8760..9179, 8804..9184, 8825..9184		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o1.ts	Method	TBLASTX:Soybean
Start	8808	End	9239
GI	none	Score	315
Exons	8808..9239, 8855..8998, 9035..9205		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	8906	End	9350
GI	none	Score	276
Exons	8906..9160, 8907..9161, 9182..9313, 9183..9326, 9324..9350		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o4.tw	Method	TBLASTX:Wheat
Start	9188	End	9500
GI	none	Score	309
Exons	9188..9265, 9189..9500, 9308..9487, 9324..9497		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o3.gs	Method	GENSCAN
Start	11439	End	12782
GI	none	Score	1
Exons	11439..12782		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o4.np	Method	AAT/NAP
Start	11442	End	13577
GI	7487691	Score	981
Exons	11442..12660, 13429..13577		
GI Descrip.	hypothetical protein T5I7.1 - Arabidopsis thaliana gi|2642153|gb|AAB87120.1| (AC003000) unknown protein [Arabidopsis thaliana]		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3

Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o3.tm	Method	TBLASTX:Maize
Start	11451	End	11813
GI	none	Score	190
Exons	11451..11609, 11452..11610, 11643..11726, 11652..11681, 11712..11813, 11740..11805		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o1.tc	Method	TBLASTX:Cress
Start	11475	End	12647
GI	none	Score	73
Exons	11475..11651, 11721..11792, 11826..12032, 11878..12021, 12120..12194, 12399..12518, 12513..12647, 12514..12621		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o4.tm	Method	TBLASTX:Maize
Start	11826	End	12006
GI	none	Score	181
Exons	11826..12005, 11869..12006		

Seq. No.	39587	Seq. ID	OJ000208_08.0321.C4
Gene No.	81802	Strand	-
Start	35	End	1828
Name	OJ000208_08.0321.C4.o1.gs	Method	GENSCAN
Start	35	End	1828
GI	none	Score	.42
Exons	35..258, 264..464, 1222..1313, 1762..1828		

Seq. No.	39588	Seq. ID	OJ000208_08.0321.C5
Gene No.	81803	Strand	+
Start	1	End	2066
Name	OJ000208_08.0321.C5.o1.np	Method	AAT/NAP
Start	1	End	2063
GI	5922620	Score	462
Exons	1..83, 271..447, 484..556, 1921..2063		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39588	Seq. ID	OJ000208_08.0321.C5
Gene No.	81803	Strand	+
Start	1	End	2066
Name	OJ000208_08.0321.C5.o1.gs	Method	GENSCAN
Start	342	End	2066
GI	none	Score	.52
Exons	342..567, 1116..1285, 1741..1912, 1942..2066		

Seq. No.	39588	Seq. ID	OJ000208_08.0321.C5
Gene No.	81804	Strand	+
Start	2326	End	2665

Name	OJ000208_08.0321.C5.o2.gs	Method	GENSCAN
Start	2326	End	2665
GI	none	Score	.69
Exons	2326..2385, 2419..2513, 2641..2665		

Seq. No.	39588	Seq. ID	OJ000208_08.0321.C5
Gene No.	81805	Strand	-
Start	2202	End	2285
Name	OJ000208_08.0321.C5.o2.np	Method	AAT/NAP
Start	2202	End	2285
GI	6630699	Score	87
Exons	2202..2285		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81806	Strand	+
Start	460	End	891
Name	OJ000208_08.0321.C6.o1.gs	Method	GENSCAN
Start	460	End	891
GI	none	Score	.64
Exons	460..499, 701..891		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81807	Strand	+
Start	9247	End	12312
Name	OJ000208_08.0321.C6.o3.gp	Method	AAT/GAP
Start	9247	End	11298
GI	none	Score	891
Exons	9247..9486, 9651..9796, 10362..10412, 11222..11298		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81807	Strand	+
Start	9247	End	12312
Name	OJ000208_08.0321.C6.o2.np	Method	AAT/NAP
Start	9401	End	12255
GI	6478927	Score	938
Exons	9401..9558, 9648..9796, 10362..10412, 11222..11443, 11535..11637, 11766..12255		
GI Descrip.	(AC011436) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81807	Strand	+
Start	9247	End	12312
Name	OJ000208_08.0321.C6.o4.gs	Method	GENSCAN
Start	9401	End	12312
GI	none	Score	.78
Exons	9401..9486, 9594..9796, 10362..10412, 11222..11443, 11535..11637, 11766..12312		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81808	Strand	+
Start	14820	End	15236
Name	OJ000208_08.0321.C6.o5.gp	Method	AAT/GAP
Start	14820	End	15236
GI	3761922	Score	791

Exons	14820..15236		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81809	Strand	-
Start	3107	End	3946
Name	OJ000208_08.0321.C6.o1.gp	Method	AAT/GAP
Start	2763	End	3274
GI	LIB3433-051-P1-K1-D6	Score	975
Exons	2763..3274		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 6.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81809	Strand	-
Start	3107	End	3946
Name	OJ000208_08.0321.C6.o1.np	Method	AAT/NAP
Start	3024	End	3803
GI	7487694	Score	406
Exons	3024..3803		
GI Descrip.	hypothetical protein T5I7.2 - Arabidopsis thaliana gi|2642154|gb|AAB87121.1| (AC003000) unknown protein [Arabidopsis thaliana] gi|3790595|gb|AAC69860.1| (AF079186) RING-H2 finger protein RHC2a [Arabidopsis thaliana]		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81809	Strand	-
Start	3107	End	3946
Name	OJ000208_08.0321.C6.o2.gs	Method	GENSCAN
Start	3107	End	3946
GI	none	Score	.99
Exons	3107..3946		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81810	Strand	-
Start	8490	End	8976
Name	OJ000208_08.0321.C6.o2.gp	Method	AAT/GAP
Start	8490	End	8976
GI	none	Score	718
Exons	8490..8555, 8664..8976		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	2760	End	3572
GI	none	Score	44
Exons	2760..2783, 2834..2881, 2991..3050, 2993..3052, 2996..3052, 3054..3119, 3063..3122, 3129..3572, 3129..3305, 3155..3571		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o1.tc	Method	TBLASTX:Cress
Start	3209	End	3928
GI	none	Score	37
Exons	3209..3253, 3264..3299, 3269..3301, 3294..3368, 3353..3373, 3410..3559, 3426..3560, 3629..3745, 3755..3790, 3839..3880,		

3890..3928

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o2.ts	Method	TBLASTX:Soybean
Start	3410	End	3965
GI	none	Score	160
Exons	3410..3544, 3420..3545, 3437..3550, 3626..3751, 3641..3745, 3761..3790, 3839..3877, 3843..3878, 3890..3952, 3897..3965		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	9696	End	12177
GI	none	Score	102
Exons	9696..9803, 9700..9801, 10352..10435, 11220..11444, 11221..11442, 11494..11640, 11531..11638, 11538..11645, 11763..11885, 11764..11877, 11764..11931, 11957..12121, 11980..12126, 11995..12138, 12150..12176, 12151..12177		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o2.tm	Method	TBLASTX:Maize
Start	10357	End	12327
GI	none	Score	82
Exons	10357..10410, 10358..10435, 11220..11444, 11226..11441, 11530..11640, 11531..11638, 11764..11940, 11764..12270, 11765..12271, 12271..12327		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o4.gp	Method	AAT/GAP
Start	12060	End	12724
GI	85860_1.R1084	Score	910
Exons	12060..12581, 12612..12724		
GI Descrip.	'1363492/pir||S55344 9.0e-16 outer envelope membrane protein OEP75 precursor - garden pea >gi_576507 (L36858) outer membrane protein [Pisum sativum] >gi_633607_emb_CAA58720_ (X83767) chloroplastic outer envelope membrane protein (OEP75) [Pisum sativum]'		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o3.np	Method	AAT/NAP
Start	12077	End	14163
GI	5734776	Score	571
Exons	12077..12206, 12912..13768, 13982..14163		
GI Descrip.	(AC007980) 53021 [Arabidopsis thaliana]		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555

Name	OJ000208_08.0321.C6.o5.gs	Method	GENSCAN
Start	12908	End	15545
GI	none	Score	.88
Exons	12908..14350, 15381..15545		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o2.tc	Method	TBLASTX:Cress
Start	13100	End	13873
GI	none	Score	188
Exons	13100..13492, 13104..13499, 13730..13873		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o3.ts	Method	TBLASTX:Soybean
Start	13133	End	14047
GI	none	Score	131
Exons	13133..13471, 13134..13475, 13754..13873, 13859..14047		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o3.tm	Method	TBLASTX:Maize
Start	13182	End	13867
GI	none	Score	352
Exons	13182..13346, 13187..13471, 13188..13475, 13739..13867		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o1.tw	Method	TBLASTX:Wheat
Start	13227	End	13666
GI	none	Score	129
Exons	13227..13538, 13232..13666		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o6.gp	Method	AAT/GAP
Start	15246	End	15475
GI	2796820	Score	427
Exons	15246..15475		
GI Descrip.	1363492/pir||S55344 9.0e-16 outer envelope membrane protein OEP75 precursor - garden pea >gi_576507 (L36858) outer membrane protein [Pisum sativum] >gi_633607_emb_CAA58720_ (X83767) chloroplastic outer envelope membrane protein (OEP75) [Pisum sativum]		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o4.tm	Method	TBLASTX:Maize
Start	15252	End	15555
GI	none	Score	283
Exons	15252..15554, 15286..15546, 15306..15548, 15433..15555		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o4.ts	Method	TBLASTX:Soybean
Start	15304	End	15431
GI	none	Score	98
Exons	15304..15429, 15306..15431, 15307..15393		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o4.np	Method	AAT/NAP
Start	15309	End	15545
GI	1363492	Score	308
Exons	15309..15545		
GI Descrip.	outer envelope membrane protein OEP75 precursor - garden pea gi|576507|gb|AAA53275.1| (L36858) outer membrane protein [Pisum sativum] gi|633607|emb|CAA58720.1| (X83767) chloroplastic outer envelope membrane protein (OEP75) [Pisum sativum]		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o3.tc	Method	TBLASTX:Cress
Start	15339	End	15548
GI	none	Score	110
Exons	15339..15359, 15400..15519, 15402..15548, 15439..15546		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81812	Strand	+
Start	3341	End	3745
Name	OJ000208_08.0321.C7.o3.gp	Method	AAT/GAP
Start	3341	End	3745
GI	LIB3431-021-P1-N1-D10	Score	778
Exons	3341..3745		
GI Descrip.	'4336608/gb|AAD17855| 1.0e-20 (AF099111) sigma factor; Sig2 [Zea mays]'		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81813	Strand	+
Start	5757	End	6690
Name	OJ000208_08.0321.C7.o3.np	Method	AAT/NAP
Start	5757	End	6690
GI	5777617	Score	95
Exons	5757..5844, 6473..6690		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o1.gs	Method	GENSCAN
Start	842	End	6293
GI	none	Score	.49
Exons	842..949, 1116..1286, 1707..1862, 1941..2997, 3564..3853, 3956..4153, 4528..4668, 4836..5018, 5406..5945, 6075..6293		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o1.np	Method	AAT/NAP
Start	842	End	2951
GI	7487986	Score	1416
Exons	842..949, 1065..1286, 1707..2721, 2767..2951		
GI Descrip.	outer envelope membrane protein homolog T6H20.230 - Arabidopsis thaliana gi|5541685|emb|CAB51191.1| (AL096859) chloroplast import-associated channel homolog [Arabidopsis thaliana]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o1.gp	Method	AAT/GAP
Start	1833	End	2076
GI	4878433	Score	468
Exons	1833..2076		
GI Descrip.	5541685/emb|CAB51191.1| 4.0e-24 (AL096859) chloroplast import-associated channel homolog [Arabidopsis thaliana]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o2.gp	Method	AAT/GAP
Start	2586	End	2912
GI	3761923	Score	597
Exons	2586..2912		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o4.np	Method	AAT/NAP
Start	3400	End	8461
GI	7228446	Score	391
Exons	3400..3427, 6862..6947, 7628..8461		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o2.np	Method	AAT/NAP
Start	3563	End	6293
GI	4336608	Score	1634
Exons	3563..3853, 3956..4153, 4528..4668, 4755..4985, 5406..5959, 6119..6293		
GI Descrip.	(AF099111) sigma factor; Sig2 [Zea mays]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o4.gp	Method	AAT/GAP
Start	7143	End	7271
GI	32447_1.R1084	Score	217
Exons	7143..7271		

GI Descrip.	'4587550/gb|AAD25781.1|AC006577_17 6.0e-11 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o2.gs	Method	GENSCAN
Start	7679	End	8602
GI	none	Score	.95
Exons	7679..8602		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o5.gp	Method	AAT/GAP
Start	8451	End	8742
GI	none	Score	432
Exons	8451..8742		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o4.ts	Method	TBLASTX:Soybean
Start	825	End	1125
GI	none	Score	108
Exons	825..962, 842..949, 1065..1124, 1066..1125		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	901	End	2243
GI	none	Score	100
Exons	901..966, 901..948, 902..949, 903..950, 1063..1284, 1065..1283, 1065..1298, 1066..1284, 1633..2013, 1692..2243, 1961..2044, 2074..2241		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o1.ts	Method	TBLASTX:Soybean
Start	1127	End	1905
GI	none	Score	81
Exons	1127..1261, 1131..1289, 1131..1289, 1132..1293, 1177..1293, 1704..1904, 1705..1905		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o2.tc	Method	TBLASTX:Citrus
Start	1698	End	2174
GI	none	Score	112
Exons	1698..1787, 1747..1944, 1773..1931, 1917..2174, 1933..2010, 2074..2166		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-

Start	8644	End	8740
Name	OJ000208_08.0321.C7.o3.tm	Method	TBLASTX:Maize
Start	2271	End	2517
GI	none	Score	165
Exons	2271..2432, 2271..2456, 2275..2472, 2445..2516, 2446..2517		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o3.tc	Method	TBLASTX:Cress
Start	2274	End	2522
GI	none	Score	65
Exons	2274..2339, 2281..2343, 2367..2522, 2368..2508		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o1.tc	Method	TBLASTX:Cress
Start	3581	End	4992
GI	none	Score	144
Exons	3581..3853, 3588..3746, 3932..4168, 4528..4677, 4529..4672, 4746..4988, 4762..4992		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o2.ts	Method	TBLASTX:Soybean
Start	3581	End	3853
GI	none	Score	144
Exons	3581..3853, 3588..3746		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o6.tm	Method	TBLASTX:Maize
Start	3956	End	4153
GI	none	Score	147
Exons	3956..4153, 3960..4082		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o2.tm	Method	TBLASTX:Maize
Start	4537	End	5477
GI	none	Score	199
Exons	4537..4677, 4538..4669, 4542..4670, 4543..4686, 4753..4986, 4755..4997, 4755..4988, 5404..5475, 5406..5477, 5406..5477		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o3.ts	Method	TBLASTX:Soybean
Start	4761	End	4994
GI	none	Score	107
Exons	4761..4931, 4762..4929, 4950..4994, 4954..4986		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7

Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o5.tm	Method	TBLASTX:Maize
Start	8000	End	8318
GI	none	Score	184
Exons	8000..8071, 8015..8287, 8028..8180, 8053..8181, 8126..8317, 8151..8318		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o4.tm	Method	TBLASTX:Maize
Start	8324	End	8551
GI	none	Score	195
Exons	8324..8545, 8325..8546, 8330..8551, 8374..8550		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o6.gp	Method	AAT/GAP
Start	8644	End	8740
GI	2428022	Score	170
Exons	8644..8740		

Seq. No.	39591	Seq. ID	OJ000208_08.0321.C8
Gene No.	81816	Strand	+
Start	1	End	1234
Name	OJ000208_08.0321.C8.o1.np	Method	AAT/NAP
Start	1	End	1234
GI	5295955	Score	97
Exons	1..54, 483..623, 1164..1234		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	39591	Seq. ID	OJ000208_08.0321.C8
Gene No.	81816	Strand	+
Start	1	End	1234
Name	OJ000208_08.0321.C8.o1.gs	Method	GENSCAN
Start	58	End	1218
GI	none	Score	.85
Exons	58..131, 176..287, 533..688, 1100..1218		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81817	Strand	+
Start	1272	End	3091
Name	OJ000208_08.0321.C10.o1.np	Method	AAT/NAP
Start	1272	End	3091
GI	7485086	Score	567
Exons	1272..1441, 2367..3091		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245139|emb|CAB10560.1| (Z97344) hypothetical protein [Arabidopsis thaliana] gi|7268533|emb|CAB78783.1| (AL161547) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81817	Strand	+
Start	1272	End	3091

Name	OJ000208_08.0321.C10.o1.gp	Method	AAT/GAP
Start	2147	End	2467
GI	none	Score	568
Exons	2147..2467		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o1.tm	Method	TBLASTX:Maize
Start	2508	End	2837
GI	none	Score	283
Exons	2508..2684, 2510..2707, 2511..2699, 2685..2735, 2687..2836, 2688..2837		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o1.tc	Method	TBLASTX:Cress
Start	2510	End	2704
GI	none	Score	200
Exons	2510..2704, 2511..2696		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o1.ts	Method	TBLASTX:Soybean
Start	2511	End	2738
GI	none	Score	219
Exons	2511..2693, 2516..2692, 2694..2738		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o1.tw	Method	TBLASTX:Wheat
Start	2511	End	2738
GI	none	Score	204
Exons	2511..2714, 2511..2675, 2519..2680, 2694..2738		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o2.tm	Method	TBLASTX:Maize
Start	2838	End	3103
GI	none	Score	141
Exons	2838..2978, 2845..2892, 2880..2918, 2943..3044, 2975..3019, 3038..3103, 3039..3098		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o2.gp	Method	AAT/GAP
Start	2871	End	3315
GI	none	Score	850
Exons	2871..3315		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81819	Strand	+

Start	232	End	3292
Name	OJ000208_08.0321.C11.o1.gs	Method	GENSCAN
Start	232	End	3292
GI	none	Score	.63
Exons	232..400, 1344..1499, 1557..1641, 3069..3160, 3162..3292		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81820	Strand	+
Start	3747	End	4272
Name	OJ000208_08.0321.C11.o1.gp	Method	AAT/GAP
Start	3747	End	4272
GI	none	Score	1044
Exons	3747..4272		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81821	Strand	+
Start	4350	End	4930
Name	OJ000208_08.0321.C11.o2.gp	Method	AAT/GAP
Start	4350	End	4930
GI	none	Score	1074
Exons	4350..4930		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81822	Strand	+
Start	11163	End	13665
Name	OJ000208_08.0321.C11.o5.gs	Method	GENSCAN
Start	11163	End	13665
GI	none	Score	.59
Exons	11163..11195, 12564..12604, 12928..13318, 13336..13665		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81823	Strand	+
Start	17507	End	18461
Name	OJ000208_08.0321.C11.o7.gs	Method	GENSCAN
Start	17507	End	18461
GI	none	Score	.9
Exons	17507..17561, 17959..18461		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81824	Strand	+
Start	22505	End	24402
Name	OJ000208_08.0321.C11.o8.gp	Method	AAT/GAP
Start	22505	End	24402
GI	none	Score	799
Exons	22505..22609, 23129..23378, 24325..24402		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81825	Strand	+
Start	24304	End	26181
Name	OJ000208_08.0321.C11.o3.np	Method	AAT/NAP
Start	24304	End	25958
GI	6143886	Score	777
Exons	24304..24817, 24851..24952, 25085..25557, 25817..25958		
GI Descrip.	(AC010718) unknown protein [Arabidopsis thaliana]		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81825	Strand	+

Start	24304	End	26181
Name	OJ000208_08.0321.C11.o9.gp	Method	AAT/GAP
Start	24525	End	25274
GI	32624_1.R1084	Score	1352
Exons	24525..25274		
GI Descrip.	'2980788/emb|CAA18164.1| 2.0e-15 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81825	Strand	+
Start	24304	End	26181
Name	OJ000208_08.0321.C11.o10.gp	Method	AAT/GAP
Start	25474	End	26181
GI	uC-osroM202033d02a1	Score	946
Exons	25474..25528, 25752..26181		
GI Descrip.	'5541685/emb|CAB51191.1| 4.0e-24 (AL096859) chloroplast import-associated channel homolog [Arabidopsis thaliana]'		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o2.gs	Method	GENSCAN
Start	4631	End	6342
GI	none	Score	96
Exons	4631..5378, 5835..5954, 6043..6123, 6320..6342		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o1.np	Method	AAT/NAP
Start	4634	End	9980
GI	3980411	Score	866
Exons	4634..4785, 4819..5385, 6211..7435, 7774..7814, 8074..8147, 8277..8390, 8842..9006, 9560..9685, 9809..9980		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o3.gp	Method	AAT/GAP
Start	4986	End	5377
GI	none	Score	733
Exons	4986..5377		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o4.gp	Method	AAT/GAP
Start	7198	End	8926
GI	none	Score	779
Exons	7198..7380, 8078..8175, 8316..8402, 8842..8926		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o4.gs	Method	GENSCAN
Start	8059	End	10474

GI	none	Score	.92
Exons	8059..8175, 8316..8402, 8842..9009, 9563..9685, 9809..9898, 10003..10083, 10448..10474		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o5.gp	Method	AAT/GAP
Start	9587	End	10080
GI	uC-osflM202123a10b1	Score	470
Exons	9587..9685, 9809..9898, 10003..10080		
GI Descrip.	'3980411 2.0e-33 (AC004561) putative proline-rich protein [Arabidopsis thaliana]'		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81827	Strand	-
Start	14708	End	16337
Name	OJ000208_08.0321.C11.o6.gs	Method	GENSCAN
Start	14708	End	16120
GI	none	Score	.96
Exons	14708..16120		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81827	Strand	-
Start	14708	End	16337
Name	OJ000208_08.0321.C11.o6.gp	Method	AAT/GAP
Start	15981	End	16337
GI	700437	Score	557
Exons	15981..16337		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81828	Strand	-
Start	20386	End	21619
Name	OJ000208_08.0321.C11.o8.gs	Method	GENSCAN
Start	20386	End	21619
GI	none	Score	.59
Exons	20386..20526, 21485..21619		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81829	Strand	-
Start	30039	End	30665
Name	OJ000208_08.0321.C11.o4.np	Method	AAT/NAP
Start	30039	End	30665
GI	6721559	Score	234
Exons	30039..30665		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o3.tm	Method	TBLASTX:Maize
Start	4385	End	5046
GI	none	Score	36
Exons	4385..4408, 4409..4492, 4412..4498, 4505..4543, 4510..4542, 4548..4574, 4597..4923, 4625..4846, 4960..5034, 4963..5046		

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Seq. No.      39593                         Seq. ID  OJ000208_08.0321.C11
Gene No.      81830                         Strand   -
Start         30931                         End      31941
Name          OJ000208_08.0321.C11.o4.tm    Method   TBLASTX:Maize
Start         5063                          End      6662
GI            none                          Score    93
Exons         5063..5164, 5064..5174, 5066..5179, 5091..5180, 5164..5379,
              5177..5380, 5178..5303, 5179..5379, 5869..5955, 5882..5956,
              5883..5957, 6042..6092, 6047..6091, 6227..6304, 6284..6358,
              6422..6445, 6450..6530, 6458..6541, 6645..6662

Seq. No.      39593                         Seq. ID  OJ000208_08.0321.C11
Gene No.      81830                         Strand   -
Start         30931                         End      31941
Name          OJ000208_08.0321.C11.o2.tw    Method   TBLASTX:Wheat
Start         8070                          End      8975
GI            none                          Score    55
Exons         8070..8138, 8077..8172, 8127..8180, 8358..8405, 8841..8891,
              8842..8973, 8843..8974, 8931..8975

Seq. No.      39593                         Seq. ID  OJ000208_08.0321.C11
Gene No.      81830                         Strand   -
Start         30931                         End      31941
Name          OJ000208_08.0321.C11.o2.tc    Method   TBLASTX:Cress
Start         8917                          End      10023
GI            none                          Score    82
Exons         8917..9003, 8921..9025, 9560..9685, 9561..9686, 9821..9910,
              9825..9911, 10003..10023

Seq. No.      39593                         Seq. ID  OJ000208_08.0321.C11
Gene No.      81830                         Strand   -
Start         30931                         End      31941
Name          OJ000208_08.0321.C11.o1.tw    Method   TBLASTX:Wheat
Start         14753                         End      15097
GI            none                          Score    146
Exons         14753..14893, 14753..15097, 14769..15089

Seq. No.      39593                         Seq. ID  OJ000208_08.0321.C11
Gene No.      81830                         Strand   -
Start         30931                         End      31941
Name          OJ000208_08.0321.C11.o2.tm    Method   TBLASTX:Maize
Start         15311                         End      15691
GI            none                          Score    287
Exons         15311..15691, 15312..15599, 15626..15679

Seq. No.      39593                         Seq. ID  OJ000208_08.0321.C11
Gene No.      81830                         Strand   -
Start         30931                         End      31941
Name          OJ000208_08.0321.C11.o2.ts    Method   TBLASTX:Soybean
Start         24322                         End      24593
GI            none                          Score    150
Exons         24322..24474, 24330..24422, 24468..24587, 24492..24593

Seq. No.      39593                         Seq. ID  OJ000208_08.0321.C11
Gene No.      81830                         Strand   -
Start         30931                         End      31941
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Name         OJ000208_08.0321.C11.o1.ts   Method   TBLASTX:Soybean
Start        24610                        End      25383
GI           none                         Score    258
Exons        24610..24756, 24616..24810, 24633..24821, 24788..24820,
             25060..25212, 25234..25266, 25267..25383

Seq. No.     39593                        Seq. ID  OJ000208_08.0321.C11
Gene No.     81830                        Strand   -
Start        30931                        End      31941
Name         OJ000208_08.0321.C11.o1.tc   Method   TBLASTX:Cress
Start        24643                        End      25395
GI           none                         Score    245
Exons        24643..24816, 25237..25266, 25260..25364, 25267..25395,
             25269..25388

Seq. No.     39593                        Seq. ID  OJ000208_08.0321.C11
Gene No.     81830                        Strand   -
Start        30931                        End      31941
Name         OJ000208_08.0321.C11.o1.tm   Method   TBLASTX:Maize
Start        24724                        End      25194
GI           none                         Score    203
Exons        24724..24864, 24729..25046, 24730..25026, 24759..25046,
             24931..25047, 24963..25034, 24973..25032, 25024..25113,
             25026..25112, 25044..25193, 25054..25194

Seq. No.     39593                        Seq. ID  OJ000208_08.0321.C11
Gene No.     81830                        Strand   -
Start        30931                        End      31941
Name         OJ000208_08.0321.C11.o5.np   Method   AAT/NAP
Start        30931                        End      31941
GI           7340881                      Score    123
Exons        30931..30973, 31079..31258, 31896..31941
GI Descrip.  (AP001551) hypothetical protein [Oryza sativa]

Seq. No.     39594                        Seq. ID  OJ000208_08.0321.C13
Gene No.     81831                        Strand   -
Start        1                            End      1483
Name         OJ000208_08.0321.C13.o1.np   Method   AAT/NAP
Start        1                            End      1483
GI           6630685                      Score    1610
Exons        1..615, 718..1483
GI Descrip.  (AP000969) Similar to copia-type pol polyprotein. (AF105716)
             [Oryza sativa]

Seq. No.     39594                        Seq. ID  OJ000208_08.0321.C13
Gene No.     81831                        Strand   -
Start        1                            End      1483
Name         OJ000208_08.0321.C13.o3.tm   Method   TBLASTX:Maize
Start        1                            End      277
GI           none                         Score    294
Exons        1..258, 2..277, 2..229, 3..257

Seq. No.     39594                        Seq. ID  OJ000208_08.0321.C13
Gene No.     81831                        Strand   -
Start        1                            End      1483
Name         OJ000208_08.0321.C13.o1.ts   Method   TBLASTX:Soybean
Start        3                            End      584
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GI	5509260	Score	78
Exons	3..209, 3..239, 4..240, 239..358, 255..359, 353..583, 365..583, 531..584		
GI Descrip.	-		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483
Name	OJ000208_08.0321.C13.o1.tw	Method	TBLASTX:Wheat
Start	4	End	458
GI	none	Score	155
Exons	4..240, 5..232, 6..257, 239..337, 240..335, 336..386, 338..367, 368..442, 369..458		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483
Name	OJ000208_08.0321.C13.o1.gs	Method	GENSCAN
Start	10	End	1446
GI	none	Score	.6
Exons	10..168, 288..467, 677..1446		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483
Name	OJ000208_08.0321.C13.o2.tm	Method	TBLASTX:Maize
Start	291	End	610
GI	none	Score	319
Exons	291..608, 293..610, 293..586		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483
Name	OJ000208_08.0321.C13.o3.tw	Method	TBLASTX:Wheat
Start	874	End	1194
GI	none	Score	88
Exons	874..939, 940..1080, 955..1104, 968..1117, 1123..1194		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483
Name	OJ000208_08.0321.C13.o1.tm	Method	TBLASTX:Maize
Start	925	End	1480
GI	none	Score	279
Exons	925..1422, 931..1431, 968..1432, 1430..1480		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483
Name	OJ000208_08.0321.C13.o2.ts	Method	TBLASTX:Soybean
Start	976	End	1422
GI	none	Score	38
Exons	976..1077, 1126..1422, 1133..1201, 1232..1354		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483

Name	OJ000208_08.0321.C13.o2.tw	Method	TBLASTX:Wheat
Start	1213	End	1378
GI	none	Score	90
Exons	1213..1356, 1213..1377, 1229..1378		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o1.np	Method	AAT/NAP
Start	1	End	630
GI	7489803	Score	742
Exons	1..630		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	218
GI	none	Score	62
Exons	1..87, 2..88, 70..216, 75..218		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o2.tm	Method	TBLASTX:Maize
Start	1	End	326
GI	none	Score	69
Exons	1..87, 14..82, 45..260, 52..252, 57..260, 258..326		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o1.gs	Method	GENSCAN
Start	194	End	1796
GI	none	Score	.53
Exons	194..304, 468..624, 1021..1427, 1483..1796		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o1.tm	Method	TBLASTX:Maize
Start	328	End	729
GI	none	Score	128
Exons	328..660, 329..517, 463..666, 545..670, 545..676, 662..724, 676..729, 676..726		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o2.np	Method	AAT/NAP
Start	640	End	1892
GI	4416301	Score	97
Exons	640..804, 1808..1892		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	39596	Seq. ID	OJ000208_08.0321.C15
Gene No.	81833	Strand	+
Start	1	End	3766
Name	OJ000208_08.0321.C15.o2.np	Method	AAT/NAP
Start	1	End	3766
GI	5295955	Score	737
Exons	1..20, 1048..1168, 1711..1825, 2505..2648, 2882..3626, 3653..3766		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	39596	Seq. ID	OJ000208_08.0321.C15
Gene No.	81834	Strand	-
Start	1	End	2018
Name	OJ000208_08.0321.C15.o1.np	Method	AAT/NAP
Start	1	End	2018
GI	7489737	Score	466
Exons	1..785, 1957..2018		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	39596	Seq. ID	OJ000208_08.0321.C15
Gene No.	81835	Strand	-
Start	2672	End	3243
Name	OJ000208_08.0321.C15.o1.tm	Method	TBLASTX:Maize
Start	159	End	563
GI	none	Score	103
Exons	159..563, 273..524		

Seq. No.	39596	Seq. ID	OJ000208_08.0321.C15
Gene No.	81835	Strand	-
Start	2672	End	3243
Name	OJ000208_08.0321.C15.o2.gs	Method	GENSCAN
Start	2672	End	3243
GI	none	Score	.96
Exons	2672..3243		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81836	Strand	+
Start	2485	End	2998
Name	OJ000208_05.0322.C1.o2.gs	Method	GENSCAN
Start	2485	End	2998
GI	none	Score	.61
Exons	2485..2629, 2823..2998		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81837	Strand	-
Start	482	End	1716
Name	OJ000208_05.0322.C1.o1.gs	Method	GENSCAN
Start	482	End	1576
GI	none	Score	.43
Exons	482..1576		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81837	Strand	-

```
Start          482                            End       1716
Name           OJ000208_05.0322.C1.o1.np      Method    AAT/NAP
Start          485                            End       1558
GI             4417304                        Score     1133
Exons          485..1558
GI Descrip.    (AC006446) putative N-acetylglucosaminyltransferase [Arabidopsis
               thaliana]

Seq. No.       39597                          Seq. ID   OJ000208_05.0322.C1
Gene No.       81837                          Strand    -
Start          482                            End       1716
Name           OJ000208_05.0322.C1.o1.tw      Method    TBLASTX:Wheat
Start          486                            End       833
GI             none                           Score     165
Exons          486..827, 488..811, 491..832, 504..833

Seq. No.       39597                          Seq. ID   OJ000208_05.0322.C1
Gene No.       81837                          Strand    -
Start          482                            End       1716
Name           OJ000208_05.0322.C1.o1.ts      Method    TBLASTX:Soybean
Start          491                            End       1354
GI             none                           Score     248
Exons          491..832, 492..800, 848..1084, 858..1085, 1130..1354, 1179..1346

Seq. No.       39597                          Seq. ID   OJ000208_05.0322.C1
Gene No.       81837                          Strand    -
Start          482                            End       1716
Name           OJ000208_05.0322.C1.o1.tm      Method    TBLASTX:Maize
Start          491                            End       1460
GI             none                           Score     225
Exons          491..832, 504..833, 848..1084, 849..1043, 1121..1453,
               1123..1320, 1143..1460

Seq. No.       39597                          Seq. ID   OJ000208_05.0322.C1
Gene No.       81837                          Strand    -
Start          482                            End       1716
Name           OJ000208_05.0322.C1.o1.tc      Method    TBLASTX:Cress
Start          773                            End       1243
GI             none                           Score     50
Exons          773..835, 773..841, 848..1090, 858..1085, 1130..      1148..1234

Seq. No.       39597                          Seq. ID   OJ000208_05.0322.C1
Gene No.       81837                          Strand    -
Start          482                            End       1716
Name           OJ000208_05.0322.C1.o1.gp      Method    AAT/GAP
Start          801
GI             30842_1.R1084                  Score     -
Exons          801..1716
GI Descrip.    '4417304/gb|AAD20428| 2.0e-76 (AC006446) putative
               beta-1,4-mannosyl-glycoprotein
               beta-1,4-N-acetylglucosaminyltransferase [Arabidopsis thaliana]'

Seq. No.       39598                          Seq. ID   OJ000208_05.0322.C3
Gene No.       81838                          Strand    -
Start          1337                           End       2235
Name           OJ000208_05.0322.C3.o1.gs      Method    GENSCAN
Start          1337                           End       2235
```

GI	none	Score	.9
Exons	1337..1477, 2180..2235		

Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.gs	Method	GENSCAN
Start	480	End	1622
GI	none	Score	.91
Exons	480..531, 1400..1622		

Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	1411	End	1616
GI	none	Score	112
Exons	1411..1596, 1412..1591, 1427..1615, 1428..1616		

Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.tw	Method	TBLASTX:Wheat
Start	1413	End	1591
GI	none	Score	175
Exons	1413..1589, 1427..1591, 1513..1590		

Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.np	Method	AAT/NAP
Start	1419	End	1619
GI	2281092	Score	202
Exons	1419..1619		
GI Descrip.	(AC002333) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.ts	Method	TBLASTX:Soybean
Start	1428	End	1607
GI	none	Score	216
Exons	1428..1607, 1433..1597		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81840	Strand	+
Start	382	End	2097
Name	OJ000208_05.0322.C5.o1.gs	Method	GENSCAN
Start	382	End	2097
GI	none	Score	.65
Exons	382..401, 737..856, 2085..2097		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81841	Strand	+
Start	2780	End	3778
Name	OJ000208_05.0322.C5.o2.gs	Method	GENSCAN
Start	2780	End	3778

09620392.071900

GI	none	Score	.87
Exons	2780..2947, 3009..3083, 3770..3778		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81842	Strand	+
Start	8676	End	12905
Name	OJ000208_05.0322.C5.o1.np	Method	AAT/NAP
Start	8676	End	12905
GI	7106512	Score	1306
Exons	8676..8736, 8810..9171, 9615..10693, 11261..11647, 12486..12614, 12695..12905		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81843	Strand	+
Start	14443	End	14633
Name	OJ000208_05.0322.C5.o2.np	Method	AAT/NAP
Start	14443	End	14633
GI	7106512	Score	78
Exons	14443..14503, 14577..14633		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81844	Strand	-
Start	4477	End	9134
Name	OJ000208_05.0322.C5.o3.gs	Method	GENSCAN
Start	4477	End	9134
GI	none	Score	.83
Exons	4477..4651, 5262..5550, 5741..5890, 6716..6757, 8749..8890, 8967..9134		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81844	Strand	-
Start	4477	End	9134
Name	OJ000208_05.0322.C5.o1.tc	Method	TBLASTX:Cress
Start	5267	End	5551
GI	none	Score	69
Exons	5267..5383, 5268..5378, 5387..5452, 5434..5550, 5435..5551		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81844	Strand	-
Start	4477	End	9134
Name	OJ000208_05.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	5267	End	5560
GI	none	Score	97
Exons	5267..5383, 5268..5378, 5297..5383, 5378..5437, 5388..5441, 5434..5490, 5434..5559, 5435..5560, 5441..5560		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81844	Strand	-
Start	4477	End	9134
Name	OJ000208_05.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	5267	End	5426
GI	none	Score	155
Exons	5267..5383, 5268..5381, 5294..5383, 5388..5426		

Seq. No.	39601	Seq. ID	OJ000208_05.0322.C6
Gene No.	81845	Strand	+
Start	1787	End	3673
Name	OJ000208_05.0322.C6.o1.gp	Method	AAT/GAP
Start	1787	End	3673
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	1787..1855, 3626..3673		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39601	Seq. ID	OJ000208_05.0322.C6
Gene No.	81846	Strand	-
Start	4738	End	5855
Name	OJ000208_05.0322.C6.o1.np	Method	AAT/NAP
Start	4738	End	5855
GI	6006375	Score	1325
Exons	4738..5277, 5562..5855		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.np	Method	AAT/NAP
Start	3263	End	4953
GI	7486343	Score	614
Exons	3263..4366, 4494..4641, 4718..4953		
GI Descrip.	hypothetical protein F28P10.70 - Arabidopsis thaliana gi|4678298|emb|CAB41089.1| (AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.gs	Method	GENSCAN
Start	3384	End	5031
GI	none	Score	.91
Exons	3384..4385, 4494..4556, 4657..5031		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.ts	Method	TBLASTX:Soybean
Start	3924	End	4256
GI	none	Score	177
Exons	3924..4067, 3929..4066, 4107..4130, 4169..4255, 4170..4256		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.tm	Method	TBLASTX:Maize
Start	4677	End	4890
GI	none	Score	271
Exons	4677..4757, 4681..4890, 4828..4890		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.gp	Method	AAT/GAP
Start	4820	End	5217
GI	none	Score	768
Exons	4820..5217		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o1.gp	Method	AAT/GAP
Start	2503	End	2927
GI	none	Score	835
Exons	2503..2927		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o1.gs	Method	GENSCAN
Start	2601	End	6591
GI	none	Score	.71
Exons	2601..2975, 3709..3836, 3938..4346, 4893..4991, 5479..5557, 5753..6163, 6518..6591		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o1.np	Method	AAT/NAP
Start	2886	End	5642
GI	7488180	Score	902
Exons	2886..2975, 3709..3822, 3906..4346, 4893..4994, 5095..5316, 5479..5642		
GI Descrip.	probable RNA helicase F21E10.1 - Arabidopsis thaliana (fragment) gi|3047077|gb|AAC13590.1| (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o2.gp	Method	AAT/GAP
Start	3895	End	4988
GI	42621_1.R1084	Score	1051
Exons	3895..4346, 4893..4988		
GI Descrip.	'3047077 2.0e-37 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o2.np	Method	AAT/NAP
Start	5811	End	6245
GI	1399945	Score	183
Exons	5811..6245		

GI Descrip. (U60194) RNA helicase GLH-2 [Caenorhabditis elegans] gi|1405387
(U60449) GLH-2 [Caenorhabditis elegans]

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o3.gp	Method	AAT/GAP
Start	5874	End	6646
GI	none	Score	1489
Exons	5874..6646		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o1.tm	Method	TBLASTX:Maize
Start	2732	End	5138
GI	none	Score	77
Exons	2732..2755, 2733..2774, 2814..2846, 2874..2975, 2913..2975, 3681..3836, 3698..3829, 3706..3831, 3931..4320, 3934..4071, 3935..4348, 3939..4349, 4138..4353, 4892..4993, 4893..4991, 4897..4998, 5089..5136, 5091..5135, 5097..5138		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o1.tc	Method	TBLASTX:Cress
Start	3621	End	5636
GI	none	Score	88
Exons	3621..3791, 3646..3804, 3680..3793, 3706..3795, 3708..3800, 3932..3994, 3942..4022, 4023..4352, 4026..4349, 4031..4369, 4892..4996, 4893..4994, 5095..5319, 5097..5156, 5187..5321, 5454..5579, 5461..5592, 5577..5636		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o2.ts	Method	TBLASTX:Soybean
Start	3706	End	4325
GI	none	Score	105
Exons	3706..3834, 3942..4010, 4008..4247, 4038..4235, 4079..4246, 4254..4325, 4254..4325		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o1.tw	Method	TBLASTX:Wheat
Start	4014	End	4369
GI	none	Score	220
Exons	4014..4340, 4046..4369		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o1.ts	Method	TBLASTX:Soybean
Start	4892	End	5567
GI	none	Score	97
Exons	4892..4993, 4893..4988, 5073..5264, 5090..5266, 5091..5321,		

5092..5319, 5454..5567, 5461..5529, 5514..5555

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o2.tm	Method	TBLASTX:Maize
Start	5139	End	6247
GI	none	Score	212
Exons	5139..5327, 5140..5328, 5475..5570, 5478..5573, 5480..5578, 5598..5645, 5612..5644, 5770..5808, 5770..5829, 5858..5968, 5915..5953, 5936..6070, 5990..6073, 6029..6115, 6146..6175, 6152..6247		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o2.gs	Method	GENSCAN
Start	7986	End	8185
GI	none	Score	.75
Exons	7986..8185		

Seq. No.	39604	Seq. ID	OJ000208_05.0322.C12
Gene No.	81850	Strand	+
Start	78	End	245
Name	OJ000208_05.0322.C12.o1.gs	Method	GENSCAN
Start	78	End	245
GI	none	Score	.6
Exons	78..245		

Seq. No.	39605	Seq. ID	OJ000208_05.0322.C13
Gene No.	81851	Strand	+
Start	382	End	762
Name	OJ000208_05.0322.C13.o1.gs	Method	GENSCAN
Start	382	End	762
GI	none	Score	.69
Exons	382..522, 580..762		

Seq. No.	39606	Seq. ID	OJ000208_05.0322.C14
Gene No.	81852	Strand	+
Start	1	End	350
Name	OJ000208_05.0322.C14.o1.gp	Method	AAT/GAP
Start	1	End	350
GI	none	Score	700
Exons	1..350		

Seq. No.	39606	Seq. ID	OJ000208_05.0322.C14
Gene No.	81853	Strand	+
Start	661	End	2938
Name	OJ000208_05.0322.C14.o1.np	Method	AAT/NAP
Start	661	End	2938
GI	7487909	Score	622
Exons	661..981, 2118..2251, 2393..2938		
GI Descrip.	hypothetical protein YUP8H12R.35 - Arabidopsis thaliana gi|3152572|gb|AAC17053.1| (AC002986) Contains homology to DNAJ heatshock protein gb|U32803 from Haemophilus influenzae. [Arabidopsis thaliana]		

Seq. No.	39606	Seq. ID	OJ000208_05.0322.C14
Gene No.	81853	Strand	+
Start	661	End	2938
Name	OJ000208_05.0322.C14.o1.gs	Method	GENSCAN
Start	736	End	2912
GI	none	Score	.73
Exons	736..981, 2118..2247, 2389..2912		

Seq. No.	39606	Seq. ID	OJ000208_05.0322.C14
Gene No.	81853	Strand	+
Start	661	End	2938
Name	OJ000208_05.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	2202	End	2850
GI	none	Score	89
Exons	2202..2249, 2202..2249, 2380..2631, 2386..2673, 2387..2677, 2388..2696, 2676..2849, 2678..2824, 2685..2849, 2686..2850		

Seq. No.	39607	Seq. ID	OJ000208_05.0322.C16
Gene No.	81854	Strand	+
Start	622	End	701
Name	OJ000208_05.0322.C16.o1.gs	Method	GENSCAN
Start	622	End	701
GI	none	Score	.76
Exons	622..701		

Seq. No.	39608	Seq. ID	OJ000208_05.0322.C17
Gene No.	81855	Strand	-
Start	161	End	813
Name	OJ000208_05.0322.C17.o1.gs	Method	GENSCAN
Start	161	End	813
GI	none	Score	.59
Exons	161..355, 694..813		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o1.gp	Method	AAT/GAP
Start	1058	End	2288
GI	42174_1.R1084	Score	1185
Exons	1058..1399, 1494..1751, 2212..2288		
GI Descrip.	'4455208/emb|CAB36531.1| 6.0e-13 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o1.gs	Method	GENSCAN
Start	1208	End	3782
GI	none	Score	.97
Exons	1208..1405, 1500..1751, 2212..2394, 2483..2707, 3203..3318, 3710..3782		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o2.gp	Method	AAT/GAP
Start	3060	End	3238

GI	426145	Score	140
Exons	3060..3121, 3203..3238		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o3.gp	Method	AAT/GAP
Start	3186	End	4035
GI	427566	Score	844
Exons	3186..3318, 3710..4035		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o1.np	Method	AAT/NAP
Start	3561	End	8695
GI	6069646	Score	126
Exons	3561..3577, 5521..5827, 8648..8695		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o1.tm	Method	TBLASTX:Maize
Start	6908	End	7192
GI	none	Score	70
Exons	6908..7003, 6911..6964, 7075..7191, 7085..7192		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o2.gs	Method	GENSCAN
Start	6911	End	8573
GI	none	Score	.81
Exons	6911..6964, 7090..7191, 7452..7578, 7831..8573		

Seq. No.	39610	Seq. ID	OJ000208_05.0322.C23
Gene No.	81857	Strand	+
Start	214	End	754
Name	OJ000208_05.0322.C23.o1.gp	Method	AAT/GAP
Start	214	End	754
GI	none	Score	379
Exons	214..249, 463..637, 718..754		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81858	Strand	-
Start	1746	End	3438
Name	OJ000208_05.0322.C24.o1.gs	Method	GENSCAN
Start	1746	End	3438
GI	none	Score	.99
Exons	1746..1877, 2755..3438		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24

Gene No.	81858	Strand	-
Start	1746	End	3438
Name	OJ000208_05.0322.C24.o1.np	Method	AAT/NAP
Start	1746	End	3077
GI	2829611	Score	343
Exons	1746..1873, 2385..2630, 2755..3077		
GI Descrip.	HEMK PROTEIN HOMOLOG gi|7470818|pir||S75513 protoporphyrinogen oxidase - Synechocystis sp. (strain PCC 6803) gi|1653158|dbj|BAA18074.1| (D90911) protoporphyrinogen oxidase [Synechocystis sp.]		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81859	Strand	-
Start	5123	End	7347
Name	OJ000208_05.0322.C24.o2.np	Method	AAT/NAP
Start	5120	End	6606
GI	7446500	Score	485
Exons	5120..6219, 6267..6606		
GI Descrip.	endoplasmic reticulum insertion protein F13P17.9 - Arabidopsis thaliana gi|3337356|gb|AAC27401.1| (AC004481) putative protein transport protein SEC61 alpha subunit [Arabidopsis thaliana]		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81859	Strand	-
Start	5123	End	7347
Name	OJ000208_05.0322.C24.o2.gs	Method	GENSCAN
Start	5123	End	7347
GI	none	Score	.63
Exons	5123..5614, 5631..6189, 6233..6753, 7237..7347		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o3.gs	Method	GENSCAN
Start	8888	End	12372
GI	none	Score	.8
Exons	8888..9079, 9772..9897, 10014..10163, 10256..10361, 10492..10814, 10901..11035, 11864..12052, 12180..12372		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o1.tc	Method	TBLASTX:Cress
Start	9742	End	10613
GI	none	Score	122
Exons	9742..9909, 9764..9898, 10014..10157, 10014..10160, 10015..10158, 10244..10315, 10260..10283, 10494..10577, 10581..10613		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o1.tm	Method	TBLASTX:Maize
Start	9744	End	12604
GI	none	Score	199
Exons	9744..9809, 9751..9909, 9752..9898, 9986..10162, 10014..10166, 10014..10160, 10250..10369, 10257..10355, 10491..10712,		

10491..10757, 10492..10716, 10711..10815, 10713..10814, 10863..11039, 10893..11039, 10894..11040, 10904..11059, 10907..11044, 11651..11773, 11685..11771, 11696..11773, 11858..12052, 11865..12053, 11988..12053, 12176..12376, 12180..12380, 12181..12375, 12488..12604, 12489..12596

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o3.ts	Method	TBLASTX:Soybean
Start	9751	End	10118
GI	none	Score	95
Exons	9751..9909, 9758..9898, 10014..10118		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o3.np	Method	AAT/NAP
Start	9754	End	12625
GI	7487527	Score	1351
Exons	9754..9897, 10014..10162, 10249..10361, 10492..10820, 10901..11035, 11690..11770, 11864..12052, 12180..12372, 12489..12625		
GI Descrip.	hypothetical protein T29F13.8 - Arabidopsis thaliana gi|2145356|emb|CAA72007.1| (Y11122) HD-Zip protein [Arabidopsis thaliana] gi|3132474|gb|AAC16263.1| (AC003096) homeodomain transcription factor (ATHB-14) [Arabidopsis thaliana]		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o1.tw	Method	TBLASTX:Wheat
Start	9880	End	10535
GI	none	Score	56
Exons	9880..9900, 10014..10157, 10256..10369, 10491..10535		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o1.ts	Method	TBLASTX:Soybean
Start	10119	End	11041
GI	none	Score	72
Exons	10119..10160, 10244..10369, 10255..10377, 10262..10363, 10491..10706, 10491..10712, 10660..10713, 10732..10815, 10740..10814, 10904..11041, 10911..11039		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o2.ts	Method	TBLASTX:Soybean
Start	11685	End	12604
GI	none	Score	61
Exons	11685..11771, 11687..11773, 11858..12052, 11865..12053, 11988..12053, 12176..12235, 12177..12380, 12187..12234, 12188..12235, 12252..12377, 12256..12378, 12488..12604, 12489..12596		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o2.tc	Method	TBLASTX:Cress
Start	11864	End	12372
GI	none	Score	191
Exons	11864..12052, 11865..12053, 12180..12221, 12252..12365, 12256..12369, 12256..12372		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.np	Method	AAT/NAP
Start	1	End	2496
GI	7487527	Score	911
Exons	1..78, 179..292, 372..467, 570..660, 748..863, 961..1120, 2417..2496		
GI Descrip.	hypothetical protein T29F13.8 - Arabidopsis thaliana gi|2145356|emb|CAA72007.1| (Y11122) HD-Zip protein [Arabidopsis thaliana] gi|3132474|gb|AAC16263.1| (AC003096) homeodomain transcription factor (ATHB-14) [Arabidopsis thaliana]		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	1123
GI	none	Score	101
Exons	1..81, 1..48, 2..79, 6..80, 165..293, 167..292, 173..295, 178..294, 352..468, 370..468, 371..469, 371..469, 570..653, 571..660, 571..660, 572..661, 572..661, 747..863, 748..864, 752..904, 753..884, 946..1086, 952..1122, 962..1123, 977..1123		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.tc	Method	TBLASTX:Cress
Start	1	End	470
GI	none	Score	58
Exons	1..81, 1..48, 2..79, 135..290, 167..292, 173..295, 178..294, 352..468, 369..467, 387..470		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.tw	Method	TBLASTX:Wheat
Start	1	End	431
GI	none	Score	94
Exons	1..81, 1..48, 23..79, 135..293, 167..292, 173..295, 178..294, 352..429, 369..431		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.ts	Method	TBLASTX:Soybean
Start	1	End	645
GI	none	Score	41

Exons	1..66, 1..48, 165..293, 167..292, 346..468, 369..473, 570..644, 571..645		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.gs	Method	GENSCAN
Start	21	End	1120
GI	none	Score	.89
Exons	21..78, 179..292, 393..467, 570..660, 748..863, 961..1120		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o2.tc	Method	TBLASTX:[illegible]
Start	570	End	2496
GI	none	Score	103
Exons	570..650, 571..651, 804..845, 805..873, 807..863, 955..1122, 977..1123, 2416..2496, 2417..2491		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o2.tw	Method	TBLASTX:Wheat
Start	747	End	2496
GI	none	Score	44
Exons	747..779, 800..850, 816..845, 955..1122, 961..1086, 962..1123, 965..1123, 2414..2491, 2416..2496, 2417..2491		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o2.ts	Method	TBLASTX:Soybean
Start	759	End	2496
GI	none	Score	62
Exons	759..803, 804..851, 808..852, 952..1122, 977..1123, 2416..2496, 2417..2494, 2419..2496		

Seq. No.	39613	Seq. ID	OJ000208_05.0322.C26
Gene No.	81862	Strand	+
Start	1946	End	2632
Name	OJ000208_05.0322.C26.o1.gs	Method	GENSCAN
Start	1946	End	2632
GI	none	Score	.93
Exons	1946..2054, 2574..2632		

Seq. No.	39613	Seq. ID	OJ000208_05.0322.C26
Gene No.	81863	Strand	-
Start	522	End	6162
Name	OJ000208_05.0322.C26.o1.np	Method	AAT/NAP
Start	522	End	3760
GI	5852093	Score	69
Exons	522..566, 2269..2393, 3700..3760		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39613	Seq. ID	OJ000208_05.0322.C26
Gene No.	81863	Strand	-

Start	522	End	6162
Name	OJ000208_05.0322.C26.o2.gs	Method	GENSCAN
Start	3082	End	6162
GI	none	Score	.59
Exons	3082..3348, 5830..5905, 6101..6162		

Seq. No.	39614	Seq. ID	OJ000208_05.0322.C27
Gene No.	81864	Strand	+
Start	1228	End	5703
Name	OJ000208_05.0322.C27.o1.gs	Method	GENSCAN
Start	1228	End	5703
GI	none	Score	.44
Exons	1228..1322, 3095..3226, 3701..3732, 4643..4787, 5607..5703		

Seq. No.	39614	Seq. ID	OJ000208_05.0322.C27
Gene No.	81865	Strand	-
Start	5797	End	7150
Name	OJ000208_05.0322.C27.o2.gs	Method	GENSCAN
Start	5797	End	7150
GI	none	Score	.81
Exons	5797..5901, 5950..6048, 7100..7150		

Seq. No.	39615	Seq. ID	OJ991110_16.0410.C1
Gene No.	81866	Strand	-
Start	530	End	1396
Name	OJ991110_16.0410.C1.o1.gs	Method	GENSCAN
Start	530	End	1396
GI	none	Score	.75
Exons	530..576, 728..1025, 1208..1283, 1384..1396		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81867	Strand	+
Start	65	End	3169
Name	OJ991110_16.0410.C2.o1.gs	Method	GENSCAN
Start	65	End	3169
GI	none	Score	.73
Exons	65..211, 1431..1554, 1663..1756, 1940..2063, 2264..2365, 2445..2596, 2695..2788, 2984..3169		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81867	Strand	+
Start	65	End	3169
Name	OJ991110_16.0410.C2.o1.np	Method	AAT/NAP
Start	899	End	3166
GI	7447940	Score	651
Exons	899..952, 1365..1559, 1674..1756, 1940..2063, 2264..2365, 2445..2596, 2695..2788, 2984..3166		
GI Descrip.	hypothetical protein slr1503 - Synechocystis sp. (strain PCC 6803) gi|1653089|dbj|BAA18005.1| (D90911) hypothetical protein [Synechocystis sp.]		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81867	Strand	+
Start	65	End	3169
Name	OJ991110_16.0410.C2.o1.gp	Method	AAT/GAP
Start	1929	End	2742
GI	LIB3431-047-P1-K1-E9	Score	712

Exons	1929..2063, 2264..2365, 2445..2596, 2695..2742		
GI Descrip.	'1653089/dbj|BAA18005| 7.0e-28 (D90911) hypothetical protein [Synechocystis sp.]'		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81868	Strand	-
Start	3116	End	3417
Name	OJ991110_16.0410.C2.o2.gp	Method	AAT/GAP
Start	3116	End	3417
GI	none	Score	571
Exons	3116..3417		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81869	Strand	-
Start	3616	End	6775
Name	OJ991110_16.0410.C2.o2.gs	Method	GENSCAN
Start	3616	End	6739
GI	none	Score	.79
Exons	3616..4223, 5071..5150, 5720..5831, 5953..6739		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81869	Strand	-
Start	3616	End	6775
Name	OJ991110_16.0410.C2.o2.np	Method	AAT/NAP
Start	3676	End	6739
GI	6633821	Score	1448
Exons	3676..4223, 5953..6739		
GI Descrip.	(AC009519) F1N19.23 [Arabidopsis thaliana]		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81869	Strand	-
Start	3616	End	6775
Name	OJ991110_16.0410.C2.o3.gp	Method	AAT/GAP
Start	4163	End	4226
GI	uC-osflm202108h11b1	Score	98
Exons	4163..4226		
GI Descrip.	'2330885/emb|CAA04124| 1.0e-11 (AJ000486) methionine gamma-lyase [Trichomonas vaginalis]'		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81869	Strand	-
Start	3616	End	6775
Name	OJ991110_16.0410.C2.o4.gp	Method	AAT/GAP
Start	6261	End	6775
GI	42401_1.R1084	Score	1014
Exons	6261..6775		
GI Descrip.	'3978474 5.0e-11 (AF092918) MetZ homolog [Pseudomonas alcaligenes]'		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o3.tm	Method	TBLASTX:Maize
Start	1298	End	1776
GI	none	Score	304
Exons	1298..1555, 1307..1555, 1324..1563, 1326..1556, 1641..1775, 1646..1774, 1647..1775, 1660..1776		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o2.tc	Method	TBLASTX:Cress
Start	1307	End	2012
GI	none	Score	144
Exons	1307..1510, 1307..1399, 1323..1541, 1326..1556, 1436..1546, 1680..1763, 1907..2011, 1938..2012		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o2.ts	Method	TBLASTX:Soybean
Start	1307	End	1553
GI	none	Score	369
Exons	1307..1546, 1326..1553		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o5.tm	Method	TBLASTX:Maize
Start	1922	End	2307
GI	none	Score	218
Exons	1922..2062, 1938..2063, 1941..2063, 2260..2307, 2264..2305		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o4.ts	Method	TBLASTX:Soybean
Start	2264	End	2612
GI	none	Score	97
Exons	2264..2368, 2442..2612, 2474..2596, 2493..2603		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o4.tm	Method	TBLASTX:Maize
Start	2308	End	2821
GI	none	Score	87
Exons	2308..2388, 2309..2368, 2442..2597, 2444..2596, 2692..2793, 2693..2794, 2693..2821, 2694..2807		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o3.ts	Method	TBLASTX:Soybean
Start	2978	End	3168
GI	none	Score	258
Exons	2978..3163, 2981..3160, 2983..3168		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	3450	End	4233
GI	none	Score	396

Exons	3450..3512, 3634..4233, 3677..3943, 3989..4000, 4027..4233		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o3.tc	Method	TBLASTX:Cress
Start	3676	End	3931
GI	none	Score	268
Exons	3676..3930, 3686..3931		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	3682	End	6577
GI	none	Score	227
Exons	3682..4233, 3707..3934, 4127..4225, 5951..6457, 5952..6494, 6453..6572, 6461..6577		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	3931	End	6577
GI	none	Score	104
Exons	3931..4083, 4123..4233, 4124..4225, 5951..6457, 5952..6170, 6240..6443, 6464..6577, 6465..6572		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	6123	End	6635
GI	none	Score	599
Exons	6123..6635, 6125..6634		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o3.gs	Method	GENSCAN
Start	7666	End	10511
GI	none	Score	.55
Exons	7666..7685, 9664..9872, 10078..10120, 10445..10511		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81871	Strand	+
Start	2	End	2489
Name	OJ991110_16.0410.C3.o1.gs	Method	GENSCAN
Start	2	End	2489
GI	none	Score	.69
Exons	2..143, 423..572, 1056..1062, 2144..2489		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81872	Strand	+
Start	4800	End	8129
Name	OJ991110_16.0410.C3.o1.np	Method	AAT/NAP
Start	4800	End	8129

GI	4926870	Score	893
Exons	4800..6660, 8095..8129		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81872	Strand	+
Start	4800	End	8129
Name	OJ991110_16.0410.C3.o2.np	Method	AAT/NAP
Start	4933	End	7660
GI	4582447	Score	886
Exons	4933..6692, 6735..7240, 7590..7660		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81873	Strand	-
Start	2262	End	2683
Name	OJ991110_16.0410.C3.o1.gp	Method	AAT/GAP
Start	2262	End	2683
GI	none	Score	699
Exons	2262..2297, 2343..2683		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81874	Strand	-
Start	2786	End	3052
Name	OJ991110_16.0410.C3.o2.gs	Method	GENSCAN
Start	2786	End	3052
GI	none	Score	.84
Exons	2786..3052		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81875	Strand	-
Start	9903	End	10629
Name	OJ991110_16.0410.C3.o4.np	Method	AAT/NAP
Start	8675	End	10629
GI	6907086	Score	1290
Exons	8675..8933, 9106..9184, 9289..9357, 9587..9828, 9886..10629		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81875	Strand	-
Start	9903	End	10629
Name	OJ991110_16.0410.C3.o4.gs	Method	GENSCAN
Start	9903	End	10436
GI	none	Score	.9
Exons	9903..10436		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81876	Strand	-
Start	11342	End	13519
Name	OJ991110_16.0410.C3.o4.tw	Method	TBLASTX:Wheat
Start	4930	End	5131
GI	none	Score	99
Exons	4930..5130, 4960..5055, 4964..5131		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3

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Gene No.      81876                         Strand    -
Start         11342                         End       13519
Name          OJ991110_16.0410.C3.o1.tw     Method    TBLASTX:Wheat
Start         5302                          End       5686
GI            none                          Score     359
Exons         5302..5685, 5303..5686

Seq. No.      39617                         Seq. ID   OJ991110_16.0410.C3
Gene No.      81876                         Strand    -
Start         11342                         End       13519
Name          OJ991110_16.0410.C3.o1.tm     Method    TBLASTX:Maize
Start         5498                          End       5848
GI            none                          Score     299
Exons         5498..5848, 5533..5847

Seq. No.      39617                         Seq. ID   OJ991110_16.0410.C3
Gene No.      81876                         Strand    -
Start         11342                         End       13519
Name          OJ991110_16.0410.C3.o1.ts     Method    TBLASTX:Soybean
Start         5600                          End       5992
GI            none                          Score     184
Exons         5600..5920, 5713..5901, 5936..5992

Seq. No.      39617                         Seq. ID   OJ991110_16.0410.C3
Gene No.      81876                         Strand    -
Start         11342                         End       13519
Name          OJ991110_16.0410.C3.o3.tw     Method    TBLASTX:Wheat
Start         5687                          End       5908
GI            none                          Score     240
Exons         5687..5908, 5687..5884, 5692..5907

Seq. No.      39617                         Seq. ID   OJ991110_16.0410.C3
Gene No.      81876                         Strand    -
Start         11342                         End       13519
Name          OJ991110_16.0410.C3.o2.tw     Method    TBLASTX:Wheat
Start         6299                          End       6706
GI            none                          Score     173
Exons         6299..6502, 6313..6684, 6548..6706

Seq. No.      39617                         Seq. ID   OJ991110_16.0410.C3
Gene No.      81876                         Strand    -
Start         11342                         End       13519
Name          OJ991110_16.0410.C3.o5.np     Method    AAT/NAP
Start         11342                         End       13519
GI            4680186                       Score     201
Exons         11342..11760, 12260..12330, 13421..13519
GI Descrip.   (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.      39617                         Seq. ID   OJ991110_16.0410.C3
Gene No.      81876                         Strand    -
Start         11342                         End       13519
Name          OJ991110_16.0410.C3.o6.np     Method    AAT/NAP
Start         12545                         End       12688
GI            7106528                       Score     88
Exons         12545..12688
GI Descrip.   (AP001278) EST D40774(S2920) corresponds to a region of the
              predicted gene.; hypothetical protein [Oryza sativa]
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Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81877	Strand	+
Start	1965	End	5036
Name	OJ991110_16.0410.C4.o2.gs	Method	GENSCAN
Start	1965	End	4938
GI	none	Score	.67
Exons	1965..2119, 3286..3339, 3573..4938		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81877	Strand	+
Start	1965	End	5036
Name	OJ991110_16.0410.C4.o1.np	Method	AAT/NAP
Start	2005	End	4947
GI	6553916	Score	1244
Exons	2005..2142, 2203..2360, 2615..2664, 3286..3376, 3568..3669, 3823..4947		
GI Descrip.	(AC012329) putative GTPase activator protein of Rab-like small GTPases [Arabidopsis thaliana] gi|6723405|emb|CAB66414.1| (AL132956) GTPase activating-like protein [Arabidopsis thaliana]		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81877	Strand	+
Start	1965	End	5036
Name	OJ991110_16.0410.C4.o1.gp	Method	AAT/GAP
Start	4428	End	5036
GI	none	Score	1143
Exons	4428..5036		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81878	Strand	+
Start	8622	End	19378
Name	OJ991110_16.0410.C4.o4.gs	Method	GENSCAN
Start	8622	End	15637
GI	none	Score	.76
Exons	8622..8887, 9459..9581, 9691..9760, 9877..9987, 10255..10338, 11236..11286, 12012..12260, 12610..12645, 12969..13088, 13219..13389, 14766..15069, 15097..15278, 15524..15637		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81878	Strand	+
Start	8622	End	19378
Name	OJ991110_16.0410.C4.o3.gp	Method	AAT/GAP
Start	9898	End	12266
GI	none	Score	697
Exons	9898..9987, 10255..10338, 11236..11286, 11875..11904, 12008..12095, 12195..12266		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81878	Strand	+
Start	8622	End	19378
Name	OJ991110_16.0410.C4.o3.np	Method	AAT/NAP
Start	12801	End	19378
GI	1084987	Score	101
Exons	12801..12992, 17763..17835, 19122..19378		
GI Descrip.	cryptogene protein G4 - Sauroleishmania tarentolae (strain LEM125)		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81879	Strand	-
Start	90	End	892
Name	OJ991110_16.0410.C4.o1.gs	Method	GENSCAN
Start	90	End	892
GI	none	Score	.78
Exons	90..217, 378..385, 493..649, 876..892		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81880	Strand	-
Start	5795	End	8129
Name	OJ991110_16.0410.C4.o2.gp	Method	AAT/GAP
Start	5645	End	8129
GI	375_1.R1084	Score	1259
Exons	5645..6045, 6157..6223, 7747..7863, 7985..8129		
GI Descrip.	'729252/sp|P40934|CYB5_BRAOL 1.0e-53 CYTOCHROME B5 >gi_167140 (M87514) cytochrome b-5 [Brassica oleracea] >gi_384338_prf__1905426A cytochrome b5 [Brassica oleracea]'		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81880	Strand	-
Start	5795	End	8129
Name	OJ991110_16.0410.C4.o3.gs	Method	GENSCAN
Start	5795	End	7833
GI	none	Score	.61
Exons	5795..6072, 6157..6223, 7747..7833		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81880	Strand	-
Start	5795	End	8129
Name	OJ991110_16.0410.C4.o2.np	Method	AAT/NAP
Start	5798	End	7833
GI	729252	Score	469
Exons	5798..6045, 6157..6223, 7747..7833		
GI Descrip.	CYTOCHROME B5 gi|7430587|pir||T14454 cytochrome b5 - wild cabbage gi|167140|gb|AAA32990.1| (M87514) cytochrome b-5 [Brassica oleracea] gi|384338|prf||1905426A cytochrome b5 [Brassica oleracea]		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81881	Strand	-
Start	13659	End	14078
Name	OJ991110_16.0410.C4.o4.gp	Method	AAT/GAP
Start	13659	End	14078
GI	none	Score	809
Exons	13659..14078		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	2168	End	4837
GI	none	Score	99
Exons	2168..2368, 2206..2349, 2220..2387, 2223..2360, 2614..2664, 2615..2665, 3287..3382, 3535..3693, 3570..3701, 3571..3705, 3581..3706, 3833..3904, 3838..3915, 3842..3916, 3911..4090,		

3912..4085, 3920..4093, 4075..4752, 4087..4749, 4089..4757, 4756..4836, 4756..4836, 4760..4837

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	4134	End	4590
GI	none	Score	260
Exons	4134..4382, 4135..4362, 4354..4590, 4356..4589		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	4222	End	4619
GI	none	Score	495
Exons	4222..4593, 4224..4619, 4259..4612		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o2.tc	Method	TBLASTX:Cress
Start	4627	End	4964
GI	none	Score	431
Exons	4627..4932, 4632..4802, 4638..4964, 4783..4938, 4784..4960		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o2.ts	Method	TBLASTX:Soybean
Start	5774	End	7834
GI	none	Score	213
Exons	5774..6046, 5790..6071, 6152..6238, 6156..6224, 7741..7833, 7745..7834		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o2.tm	Method	TBLASTX:Maize
Start	5776	End	7839
GI	none	Score	169
Exons	5776..6027, 5778..6017, 5795..6046, 5796..6071, 6152..6238, 6156..6224, 6158..6226, 7741..7833, 7744..7839		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o3.tc	Method	TBLASTX:Cress
Start	5794	End	7833
GI	none	Score	66
Exons	5794..5916, 5795..6046, 5799..6047, 5995..6075, 6152..6238, 6156..6224, 6170..6226, 7741..7833		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248

Name	OJ991110_16.0410.C4.o1.tw	Method	TBLASTX:Wheat
Start	5795	End	7833
GI	none	Score	263
Exons	5795..6046, 5796..6071, 6152..6226, 6156..6224, 6161..6226, 7741..7833, 7744..7833		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o4.tm	Method	TBLASTX:Maize
Start	8702	End	13015
GI	none	Score	112
Exons	8702..8797, 8703..8789, 8783..8815, 8790..8885, 8807..8902, 9451..9582, 9456..9581, 9689..9715, 9718..9762, 9719..9760, 9853..9996, 9874..9987, 9875..9994, 10254..10337, 10255..10347, 10256..10339, 11232..11285, 11233..11286, 11234..11287, 11871..11906, 11872..11904, 12026..12103, 12027..12104, 12192..12260, 12194..12259, 12389..12538, 12390..12539, 12610..12648, 12968..13015, 12969..13013		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o4.ts	Method	TBLASTX:Soybean
Start	9454	End	9915
GI	none	Score	142
Exons	9454..9582, 9456..9581, 9688..9762, 9689..9760, 9874..9915		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o5.ts	Method	TBLASTX:Soybean
Start	9916	End	13091
GI	none	Score	118
Exons	9916..9996, 9918..9977, 10254..10334, 10255..10335, 11236..11286, 11872..11904, 12027..12104, 12032..12103, 12192..12260, 12192..12266, 12194..12283, 12194..12268, 12399..12431, 12400..12432, 12442..12507, 12456..12539, 12460..12513, 12609..12647, 12610..12648, 12968..13087, 12969..13079, 12978..13091		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o3.tm	Method	TBLASTX:Maize
Start	13019	End	13719
GI	none	Score	79
Exons	13019..13102, 13020..13076, 13021..13089, 13216..13389, 13217..13390, 13218..13391, 13222..13401, 13224..13391, 13576..13719, 13608..13715		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o3.ts	Method	TBLASTX:Soybean
Start	13216	End	13683
GI	none	Score	164

Exons	13216..13389, 13218..13391, 13222..13401, 13224..13391, 13576..13683, 13608..13682		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o5.gs	Method	GENSCAN
Start	18642	End	19248
GI	none	Score	.58
Exons	18642..18750, 19031..19248		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81883	Strand	+
Start	5406	End	7230
Name	OJ991110_16.0410.C5.o3.gs	Method	GENSCAN
Start	5406	End	7230
GI	none	Score	.43
Exons	5406..5714, 6838..7230		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81884	Strand	-
Start	1171	End	3178
Name	OJ991110_16.0410.C5.o2.gs	Method	GENSCAN
Start	1171	End	3178
GI	none	Score	.45
Exons	1171..1368, 2384..2730, 2806..3178		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.np	Method	AAT/NAP
Start	8026	End	11829
GI	6630696	Score	6579
Exons	8026..11829		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o2.tw	Method	TBLASTX:Wheat
Start	8162	End	8637
GI	none	Score	401
Exons	8162..8548, 8163..8546, 8164..8547, 8563..8637, 8564..8632, 8577..8636		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o4.ts	Method	TBLASTX:Soybean
Start	8290	End	8631
GI	none	Score	82
Exons	8290..8499, 8369..8494, 8518..8631, 8528..8596		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-

Start	8026	End	11935
Name	OJ991110_16.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	8493	End	8865
GI	none	Score	86
Exons	8493..8735, 8494..8865, 8495..8842		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o3.ts	Method	TBLASTX:Soybean
Start	8641	End	8992
GI	none	Score	72
Exons	8641..8823, 8644..8832, 8645..8833, 8828..8992, 8833..8991		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o3.tw	Method	TBLASTX:Wheat
Start	8845	End	9390
GI	none	Score	72
Exons	8845..9051, 9046..9390, 9209..9373		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	8926	End	9391
GI	none	Score	61
Exons	8926..9390, 9029..9139, 9175..9255, 9260..9391		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	9061	End	9525
GI	5509260	Score	103
Exons	9061..9525, 9269..9430		
GI Descrip.	-		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	9172	End	9432
GI	none	Score	110
Exons	9172..9432, 9260..9430		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	9445	End	10186
GI	none	Score	114
Exons	9445..9627, 9445..10185, 9728..10186, 9785..10186		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-

Start	8026	End	11935
Name	OJ991110_16.0410.C5.o2.tc	Method	TBLASTX:Cress
Start	9757	End	10233
GI	none	Score	122
Exons	9757..9822, 9826..10014, 10033..10233		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o2.ts	Method	TBLASTX:Soybean
Start	9850	End	10248
GI	none	Score	88
Exons	9850..10023, 10027..10248, 10031..10177		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o4.tm	Method	TBLASTX:Maize
Start	10036	End	10500
GI	none	Score	86
Exons	10036..10500, 10043..10261		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o5.tw	Method	TBLASTX:Wheat
Start	10188	End	10393
GI	none	Score	137
Exons	10188..10385, 10190..10393, 10191..10385, 10192..10392		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o5.ts	Method	TBLASTX:Soybean
Start	10258	End	10638
GI	none	Score	80
Exons	10258..10506, 10489..10638		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	10612	End	10956
GI	none	Score	373
Exons	10612..10653, 10682..10954, 10682..10954, 10683..10955, 10684..10956		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.gp	Method	AAT/GAP
Start	10897	End	11787
GI	101595_1.R1084	Score	1447
Exons	10897..10971, 11087..11787		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o5.tm	Method	TBLASTX:Maize
Start	11479	End	11787
GI	none	Score	120
Exons	11479..11787, 11482..11658, 11544..11687, 11558..11740		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o4.tw	Method	TBLASTX:Wheat
Start	11538	End	11935
GI	none	Score	156
Exons	11538..11720, 11539..11823, 11558..11749, 11800..11934, 11837..11935		

Seq. No.	39620	Seq. ID	OJ991110_16.0410.C7
Gene No.	81886	Strand	+
Start	279	End	605
Name	OJ991110_16.0410.C7.o1.gs	Method	GENSCAN
Start	279	End	605
GI	none	Score	.58
Exons	279..605		

Seq. No.	39621	Seq. ID	OJ991110_16.0410.C9
Gene No.	81887	Strand	-
Start	2785	End	3128
Name	OJ991110_16.0410.C9.o3.gs	Method	GENSCAN
Start	2785	End	3128
GI	none	Score	.48
Exons	2785..2840, 2883..3088, 3094..3128		

Seq. No.	39622	Seq. ID	OJ991110_16.0410.C10
Gene No.	81888	Strand	+
Start	113	End	863
Name	OJ991110_16.0410.C10.o1.gs	Method	GENSCAN
Start	113	End	863
GI	none	Score	.77
Exons	113..315, 399..537, 819..863		

Seq. No.	39623	Seq. ID	OJ991110_16.0410.C11
Gene No.	81889	Strand	+
Start	4916	End	6150
Name	OJ991110_16.0410.C11.o1.np	Method	AAT/NAP
Start	4916	End	6150
GI	6815099	Score	88
Exons	4916..4980, 5044..5072, 5945..6150		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39623	Seq. ID	OJ991110_16.0410.C11
Gene No.	81890	Strand	-
Start	974	End	1456
Name	OJ991110_16.0410.C11.o1.gp	Method	AAT/GAP
Start	974	End	1456
GI	none	Score	906
Exons	974..1456		

Seq. No.	39624	Seq. ID	OJ991110_16.0410.C12
Gene No.	81891	Strand	+
Start	1511	End	5025
Name	OJ991110_16.0410.C12.o1.gs	Method	GENSCAN
Start	1511	End	5025
GI	none	Score	.5
Exons	1511..1533, 4365..4463, 4919..5025		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81892	Strand	+
Start	771	End	2525
Name	OJ991110_16.0410.C13.o2.gs	Method	GENSCAN
Start	771	End	2525
GI	none	Score	.68
Exons	771..782, 2063..2178, 2282..2525		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81893	Strand	+
Start	3314	End	3764
Name	OJ991110_16.0410.C13.o1.gp	Method	AAT/GAP
Start	3314	End	3764
GI	none	Score	845
Exons	3314..3764		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81894	Strand	+
Start	11458	End	11808
Name	OJ991110_16.0410.C13.o4.gs	Method	GENSCAN
Start	11458	End	11808
GI	none	Score	.71
Exons	11458..11808		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o3.tm	Method	TBLASTX:Maize
Start	3433	End	4798
GI	none	Score	39
Exons	3433..3471, 3591..3620, 3595..3621, 3626..3670, 3627..3671, 3676..3705, 3678..3704, 3732..3761, 3843..3992, 3869..4018, 3871..3993, 3935..4024, 4015..4077, 4068..4109, 4145..4348, 4181..4348, 4182..4349, 4183..4356, 4741..4785, 4742..4798		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o3.gs	Method	GENSCAN
Start	3597	End	9413
GI	none	Score	.45
Exons	3597..3663, 3963..4088, 4118..4217, 4744..4785, 4827..5702, 5809..5908, 6572..6695, 7314..7351, 8513..8593, 9000..9413		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o1.tm	Method	TBLASTX:Maize

Start	4806	End	5412
GI	none	Score	326
Exons	4806..5126, 4806..4868, 4808..5128, 4808..5119, 4852..5127, 5044..5253, 5117..5170, 5140..5358, 5180..5362, 5358..5408, 5362..5412		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	4823	End	5370
GI	none	Score	78
Exons	4823..4897, 4855..4896, 4898..5047, 4898..4957, 4900..5064, 5062..5112, 5083..5298, 5111..5311, 5293..5370, 5297..5368		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o2.gp	Method	AAT/GAP
Start	4841	End	5679
GI	none	Score	1662
Exons	4841..5679		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	5191	End	6622
GI	none	Score	56
Exons	5191..5271, 5210..5266, 5293..5403, 5297..5428, 5441..5479, 5470..5565, 5571..5693, 5579..5686, 5587..5703, 5588..5710, 5810..5914, 5811..5909, 6572..6622		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	5408	End	5914
GI	none	Score	66
Exons	5408..5479, 5500..5547, 5557..5703, 5567..5710, 5810..5914, 5811..5909, 5828..5911		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	5413	End	5902
GI	none	Score	297
Exons	5413..5712, 5414..5731, 5796..5900, 5801..5899, 5806..5901, 5825..5902, 5827..5901		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o2.ts	Method	TBLASTX:Soybean
Start	5575	End	8608
GI	none	Score	78

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Exons         5575..5703, 5581..5703, 5582..5707, 5809..5889, 5810..5914,
              5811..5909, 6572..6718, 6576..6719, 6578..6721, 6586..6720,
              7311..7376, 7312..7362, 7429..7530, 7430..7528, 7433..7534,
              8510..8608, 8511..8603

Seq. No.      39625                        Seq. ID   OJ991110_16.0410.C13
Gene No.      81895                        Strand    -
Start         3597                         End       9480
Name          OJ991110_16.0410.C13.o5.tm   Method    TBLASTX:Maize
Start         6572                         End       7530
GI            none                         Score     191
Exons         6572..6718, 6573..6719, 7311..7376, 7311..7376, 7429..7530,
              7430..7528, 7432..7530

Seq. No.      39625                        Seq. ID   OJ991110_16.0410.C13
Gene No.      81895                        Strand    -
Start         3597                         End       9480
Name          OJ991110_16.0410.C13.o4.tm   Method    TBLASTX:Maize
Start         8444                         End       8665
GI            none                         Score     230
Exons         8444..8653, 8454..8654, 8456..8665

Seq. No.      39625                        Seq. ID   OJ991110_16.0410.C13
Gene No.      81895                        Strand    -
Start         3597                         End       9480
Name          OJ991110_16.0410.C13.o6.tm   Method    TBLASTX:Maize
Start         9236                         End       9480
GI            none                         Score     49
Exons         9236..9265, 9260..9403, 9264..9422, 9264..9422, 9265..9423,
              9427..9480, 9428..9463

Seq. No.      39626                        Seq. ID   OJ991110_16.0410.C14
Gene No.      81896                        Strand    +
Start         2524                         End       3862
Name          OJ991110_16.0410.C14.o1.np   Method    AAT/NAP
Start         2524                         End       3862
GI            7485261                      Score     102
Exons         2524..2574, 3726..3862
GI Descrip.   hypothetical protein A_IG005I10.16 - Arabidopsis thaliana
              gi|2252836|gb|AAB62835.1| (AF013293) contains weak similarity to
              S. cerevisiae BOB1 protein (PIR:S45444) [Arabidopsis thaliana]
              gi|6049878|gb|AAF02793.1|AF195115_13 (AF195115) contains weak
              similarity to S. cerevisiae BOB1 protein (PIR:S45444)
              [Arabidopsis thaliana] gi|7267117|emb|CAB80788.1| (AL161471)
              contains weak

Seq. No.      39626                        Seq. ID   OJ991110_16.0410.C14
Gene No.      81896                        Strand    +
Start         2524                         End       3862
Name          OJ991110_16.0410.C14.o2.gp   Method    AAT/GAP
Start         3028                         End       3108
GI            38012_1.R1084                Score     99
Exons         3028..3108
GI Descrip.   '4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa
              beta-1,3-glucanase precursor (Gns9) gene, complete cds'

Seq. No.      39626                        Seq. ID   OJ991110_16.0410.C14
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Gene No.	81897	Strand	-
Start	400	End	504
Name	OJ991110_16.0410.C14.o1.gp	Method	AAT/GAP
Start	400	End	504
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	400..504		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81898	Strand	+
Start	1	End	1694
Name	OJ991110_16.0410.C15.o1.np	Method	AAT/NAP
Start	1	End	1694
GI	7459603	Score	484
Exons	1..183, 968..1516, 1596..1694		
GI Descrip.	hypothetical protein F8L21.140 - Arabidopsis thaliana gi|5596481|emb|CAB51419.1| (AL096882) putative protein [Arabidopsis thaliana] gi|7267834|emb|CAB81236.1| (AL161531) putative protein [Arabidopsis thaliana]		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81898	Strand	+
Start	1	End	1694
Name	OJ991110_16.0410.C15.o1.gs	Method	GENSCAN
Start	10	End	1624
GI	none	Score	.88
Exons	10..183, 968..1624		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81899	Strand	+
Start	5887	End	7738
Name	OJ991110_16.0410.C15.o2.gs	Method	GENSCAN
Start	5887	End	7738
GI	none	Score	.62
Exons	5887..5967, 6036..6242, 6981..7072, 7439..7482, 7593..7738		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81900	Strand	-
Start	8677	End	8850
Name	OJ991110_16.0410.C15.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1345
GI	none	Score	182
Exons	1..189, 9..188, 962..1345, 967..1185		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81900	Strand	-
Start	8677	End	8850
Name	OJ991110_16.0410.C15.o2.tm	Method	TBLASTX:Maize
Start	992	End	1372
GI	none	Score	100
Exons	992..1087, 1094..1372		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81900	Strand	-
Start	8677	End	8850

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Name         OJ991110_16.0410.C15.o1.tc    Method   TBLASTX:Cress
Start        1149                          End      1613
GI           none                          Score    223
Exons        1149..1304, 1151..1444, 1151..1309, 1273..1425, 1463..1516,
             1596..1613

Seq. No.     39627                         Seq. ID  OJ991110_16.0410.C15
Gene No.     81900                         Strand   -
Start        8677                          End      8850
Name         OJ991110_16.0410.C15.o1.tm    Method   TBLASTX:Maize
Start        1385                          End      1741
GI           none                          Score    109
Exons        1385..1501, 1386..1502, 1405..1506, 1406..1525, 1545..1661,
             1587..1682, 1652..1741, 1660..1737

Seq. No.     39627                         Seq. ID  OJ991110_16.0410.C15
Gene No.     81900                         Strand   -
Start        8677                          End      8850
Name         OJ991110_16.0410.C15.o3.gs    Method   GENSCAN
Start        8677                          End      8850
GI           none                          Score    .83
Exons        8677..8850

Seq. No.     39628                         Seq. ID  OJ991110_16.0410.C16
Gene No.     81901                         Strand   +
Start        2740                          End      4806
Name         OJ991110_16.0410.C16.o1.gs    Method   GENSCAN
Start        2740                          End      4806
GI           none                          Score    .63
Exons        2740..2991, 3416..3573, 4575..4806

Seq. No.     39628                         Seq. ID  OJ991110_16.0410.C16
Gene No.     81902                         Strand   +
Start        5921                          End      7024
Name         OJ991110_16.0410.C16.o2.gs    Method   GENSCAN
Start        5921                          End      7024
GI           none                          Score    .7
Exons        5921..5974, 6956..7024

Seq. No.     39629                         Seq. ID  OJ991110_16.0410.C18
Gene No.     81903                         Strand   +
Start        1681                          End      3228
Name         OJ991110_16.0410.C18.o1.np    Method   AAT/NAP
Start        1681                          End      3228
GI           283004                        Score    470
Exons        1681..2069, 2790..3063, 3197..3228
GI Descrip.  DNA-binding protein Gt-2 - rice gi|20249|emb|CAA48328| (X68261)
             gt-2 [Oryza sativa]

Seq. No.     39629                         Seq. ID  OJ991110_16.0410.C18
Gene No.     81903                         Strand   +
Start        1681                          End      3228
Name         OJ991110_16.0410.C18.o1.gp    Method   AAT/GAP
Start        1732                          End      3094
GI           43338_1.R1084                 Score    1215
Exons        1732..2069, 2790..3094
GI Descrip.  '283004/pir||S28030 3.0e-42 DNA-binding protein Gt-2 - rice
```

>gi_20249_emb_CAA48328_ (X68261) gt-2 [Oryza sativa]'

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.o1.gs	Method	GENSCAN
Start	1747	End	3202
GI	none	Score	.63
Exons	1747..2069, 2790..3202		

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.o1.tc	Method	TBLASTX:Cress
Start	1959	End	3021
GI	none	Score	166
Exons	1959..2072, 1960..2070, 1960..2067, 2760..2936, 2764..2997, 2805..2882, 2806..2895, 2974..3021		

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.o1.ts	Method	TBLASTX:Soybean
Start	1959	End	2940
GI	none	Score	180
Exons	1959..2072, 1960..2070, 2772..2936, 2773..2940		

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.o1.tm	Method	TBLASTX:Maize
Start	2773	End	3027
GI	none	Score	285
Exons	2773..2955, 2787..2954, 2955..3026, 2956..3027		

Seq. No.	39630	Seq. ID	OJ991110_16.0410.C19
Gene No.	81904	Strand	+
Start	1	End	887
Name	OJ991110_16.0410.C19.o1.np	Method	AAT/NAP
Start	1	End	884
GI	283004	Score	262
Exons	1..162, 232..369, 501..547, 614..767, 829..884		
GI Descrip.	DNA-binding protein Gt-2 - rice gi|20249|emb|CAA48328| (X68261) gt-2 [Oryza sativa]		

Seq. No.	39630	Seq. ID	OJ991110_16.0410.C19
Gene No.	81904	Strand	+
Start	1	End	887
Name	OJ991110_16.0410.C19.o1.gs	Method	GENSCAN
Start	61	End	887
GI	none	Score	.98
Exons	61..369, 504..887		

Seq. No.	39630	Seq. ID	OJ991110_16.0410.C19
Gene No.	81905	Strand	-
Start	848	End	1492
Name	OJ991110_16.0410.C19.o1.gp	Method	AAT/GAP

Start	848	End	1492
GI	none	Score	1249
Exons	848..1492		

Seq. No.	39631	Seq. ID	OJ991110_16.0410.C20
Gene No.	81906	Strand	+
Start	1471	End	1561
Name	OJ991110_16.0410.C20.o1.gs	Method	GENSCAN
Start	1471	End	1561
GI	none	Score	.44
Exons	1471..1561		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81907	Strand	+
Start	572	End	3910
Name	OJ991020_11.0303.C1.o1.gs	Method	GENSCAN
Start	572	End	3602
GI	none	Score	.5
Exons	572..687, 1734..1790, 2396..2541, 3196..3602		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81907	Strand	+
Start	572	End	3910
Name	OJ991020_11.0303.C1.o1.np	Method	AAT/NAP
Start	805	End	3910
GI	7340868	Score	181
Exons	805..922, 2491..2668, 3860..3910		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81908	Strand	+
Start	9822	End	10927
Name	OJ991020_11.0303.C1.o4.gs	Method	GENSCAN
Start	9822	End	10927
GI	none	Score	.76
Exons	9822..9833, 10124..10161, 10471..10703, 10923..10927		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81909	Strand	+
Start	21650	End	22430
Name	OJ991020_11.0303.C1.o7.gs	Method	GENSCAN
Start	21650	End	22430
GI	none	Score	.59
Exons	21650..21807, 22007..22430		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81910	Strand	-
Start	4581	End	4837
Name	OJ991020_11.0303.C1.o2.gs	Method	GENSCAN
Start	4581	End	4837
GI	none	Score	.53
Exons	4581..4737, 4758..4837		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81911	Strand	-
Start	5358	End	7537
Name	OJ991020_11.0303.C1.o2.np	Method	AAT/NAP

Start	5358	End	7208
GI	7523502	Score	169
Exons	5358..5446, 6688..6828, 7096..7208		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81911	Strand	-
Start	5358	End	7537
Name	OJ991020_11.0303.C1.o3.gs	Method	GENSCAN
Start	6333	End	7208
GI	none	Score	.72
Exons	6333..6457, 6677..6877, 7115..7208		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81911	Strand	-
Start	5358	End	7537
Name	OJ991020_11.0303.C1.o1.gp	Method	AAT/GAP
Start	7080	End	7537
GI	4968598	Score	815
Exons	7080..7537		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81912	Strand	-
Start	11121	End	13433
Name	OJ991020_11.0303.C1.o5.gs	Method	GENSCAN
Start	11121	End	13433
GI	none	Score	.92
Exons	11121..13433		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81912	Strand	-
Start	11121	End	13433
Name	OJ991020_11.0303.C1.o3.np	Method	AAT/NAP
Start	11124	End	13400
GI	7435662	Score	1241
Exons	11124..13400		
GI Descrip.	subtilisin-like proteinase (EC 3.4.21.-) precursor P69B, pathogenesis-related - tomato gi|2230959|emb|CAA71234.1| (Y10149) subtilisin-like protease [Lycopersicon esculentum] gi|4200336|emb|CAA76725.1| (Y17276) P69B protein [Lycopersicon esculentum]		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	11121	End	13304
GI	none	Score	76
Exons	11121..11189, 11226..11318, 11391..11432, 11490..11639, 11664..11999, 11725..11826, 11739..11927, 11878..12015, 12048..12131, 12198..12263, 12276..12779, 12319..12780, 12804..12848, 12859..12930, 12861..12929, 13002..13079, 13092..13163, 13215..13304		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466

Name	OJ991020_11.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	11406	End	13486
GI	none	Score	39
Exons	11406..11432, 11487..11639, 11544..11573, 11587..11622, 11664..11978, 11731..11976, 12048..12185, 12201..12263, 12276..12785, 12319..12771, 12804..12839, 12861..12929, 13002..13079, 13086..13163, 13212..13304, 13406..13486		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	11472	End	12623
GI	none	Score	207
Exons	11472..11639, 11643..11999, 11662..11976, 12069..12167, 12198..12263, 12315..12395, 12328..12396, 12390..12623, 12391..12609		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o3.tw	Method	TBLASTX:Wheat
Start	11688	End	11984
GI	none	Score	59
Exons	11688..11822, 11761..11823, 11874..11927, 11878..11964, 11940..11984		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o2.tw	Method	TBLASTX:Wheat
Start	12195	End	12701
GI	none	Score	135
Exons	12195..12263, 12276..12560, 12277..12585, 12543..12623, 12639..12701		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o4.tm	Method	TBLASTX:Maize
Start	12639	End	13305
GI	none	Score	131
Exons	12639..12779, 12640..12780, 12807..12848, 12808..12849, 12859..12930, 12861..12929, 13002..13079, 13003..13119, 13092..13163, 13239..13304, 13240..13305		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o3.gp	Method	AAT/GAP
Start	14759	End	15553
GI	none	Score	1336
Exons	14759..15333, 15430..15553		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466

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Name          OJ991020_11.0303.C1.o2.tm     Method    TBLASTX:Maize
Start         15152                         End       19059
GI            none                          Score     78
Exons         15152..15208, 15153..15209, 15191..15334, 15204..15335,
              15205..15336, 15424..15558, 15425..15562, 15426..15563,
              15430..15564, 15878..16042, 15879..16043, 15895..16044,
              15925..16044, 16103..16165, 16103..16165, 16114..16179,
              17428..17499, 18591..18725, 18592..18723, 18601..18732,
              18846..18935, 18848..18964, 18849..18935, 19009..19059,
              19009..19059

Seq. No.      39632                         Seq. ID   OJ991020_11.0303.C1
Gene No.      81913                         Strand    -
Start         15164                         End       31466
Name          OJ991020_11.0303.C1.o6.gs     Method    GENSCAN
Start         15164                         End       20558
GI            none                          Score     .62
Exons         15164..15234, 15430..15562, 15884..16042, 16114..16164,
              16543..16881, 16959..17054, 17422..17522, 18467..18485,
              18606..18732, 18849..18928, 19349..19534, 19705..19774,
              20392..20558

Seq. No.      39632                         Seq. ID   OJ991020_11.0303.C1
Gene No.      81913                         Strand    -
Start         15164                         End       31466
Name          OJ991020_11.0303.C1.o4.np     Method    AAT/NAP
Start         15170                         End       20546
GI            7076760                       Score     996
Exons         15170..15339, 15430..15562, 15884..16042, 16114..16164,
              17422..17481, 18606..18732, 18849..18933, 19009..19083,
              19349..19569, 19705..19774, 20392..20546
GI Descrip.   (AL138658) putative protein [Arabidopsis thaliana]

Seq. No.      39632                         Seq. ID   OJ991020_11.0303.C1
Gene No.      81913                         Strand    -
Start         15164                         End       31466
Name          OJ991020_11.0303.C1.o5.np     Method    AAT/NAP
Start         16680                         End       31466
GI            1076802                       Score     147
Exons         16680..17027, 22124..22399, 25464..25585, 31287..31466
GI Descrip.   extensin-like protein - maize gi|600118|emb|CAA8423[illegible]  (Z34465)
              extensin-like protein [Zea mays] gi|1096557|prf||211[illegible]76A
              extensin-like domain [Zea mays]

Seq. No.      39632                         Seq. ID   OJ991020_11 [illegible]3.C1
Gene No.      81913                         Strand    -
Start         15164                         End       31466
Name          OJ991020_11.0303.C1.o1.tw     Method    TBLA[illegible]heat
Start         18843                         End       1[illegible]
GI            none                          Score     [illegible]
Exons         18843..18932, 18848..18964, 18849..18932, 19001..19081,
              19009..19083, 19009..19083, 19011..19088, 19159..19245,
              19168..19245, 19169..19249, 19169..19252, 19335..19481,
              19337..19483, 19338..19481

Seq. No.      39632                         Seq. ID   OJ991020_11.0303.C1
Gene No.      81913                         Strand    -
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Start	15164	End	31466
Name	OJ991020_11.0303.C1.o2.ts	Method	TBLASTX:Soybean
Start	18887	End	19445
GI	none	Score	41
Exons	18887..18931, 18888..18932, 19036..19083, 19039..19077, 19157..19249, 19159..19245, 19337..19444, 19344..19445		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o3.tm	Method	TBLASTX:Maize
Start	19060	End	19761
GI	none	Score	90
Exons	19060..19083, 19159..19245, 19169..19249, 19337..19534, 19353..19535, 19702..19761		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o8.gs	Method	GENSCAN
Start	22882	End	24405
GI	none	Score	.59
Exons	22882..22947, 23129..23315, 23461..23629, 23770..24040, 24316..24405		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o5.gp	Method	AAT/GAP
Start	24643	End	24752
GI	uC-osflcyp082b07a1	Score	169
Exons	24643..24752		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81914	Strand	+
Start	1	End	2609
Name	OJ991020_11.0303.C2.o1.np	Method	AAT/NAP
Start	1	End	1882
GI	5852178	Score	77
Exons	1..26, 1319..1479, 1511..1616, 1788..1882		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81914	Strand	+
Start	1	End	2609
Name	OJ991020_11.0303.C2.o1.gs	Method	GENSCAN
Start	43	End	1125
GI	none	Score	.4
Exons	43..258, 979..1125		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81914	Strand	+
Start	1	End	2609
Name	OJ991020_11.0303.C2.o2.np	Method	AAT/NAP
Start	467	End	2609

GI	6063554	Score	171
Exons	467..541, 917..1217, 1343..1457, 2278..2609		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81915	Strand	+
Start	2873	End	5374
Name	OJ991020_11.0303.C2.o3.gs	Method	GENSCAN
Start	2873	End	5374
GI	none	Score	.64
Exons	2873..3101, 5268..5374		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81916	Strand	+
Start	5928	End	9791
Name	OJ991020_11.0303.C2.o4.gs	Method	GENSCAN
Start	5928	End	7894
GI	none	Score	.4
Exons	5928..5968, 6117..6222, 7224..7334, 7733..7894		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81916	Strand	+
Start	5928	End	9791
Name	OJ991020_11.0303.C2.o3.np	Method	AAT/NAP
Start	6037	End	9791
GI	7485117	Score	168
Exons	6037..6222, 7630..7861, 9753..9791		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244816|emb|CAB10239.1| (Z97336) hypothetical protein [Arabidopsis thaliana] gi|7268166|emb|CAB78502.1| (AL161539) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81917	Strand	-
Start	1308	End	1601
Name	OJ991020_11.0303.C2.o2.gs	Method	GENSCAN
Start	1308	End	1601
GI	none	Score	.92
Exons	1308..1601		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81918	Strand	-
Start	8851	End	9699
Name	OJ991020_11.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	5905	End	7798
GI	none	Score	74
Exons	5905..5970, 5907..5969, 5922..5978, 6093..6224, 6094..6225, 6115..6225, 7222..7266, 7223..7294, 7223..7270, 7224..7295, 7713..7769, 7729..7797, 7732..7797, 7733..7798		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81918	Strand	-
Start	8851	End	9699
Name	OJ991020_11.0303.C2.o4.np	Method	AAT/NAP
Start	8583	End	9469

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GI             7339707                       Score    64
Exons          8583..8731, 8822..8922, 9183..9242, 9271..9469
GI Descrip.    (AP001539) hypothetical protein [Oryza sativa]

Seq. No.       39633                         Seq. ID  OJ991020_11.0303.C2
Gene No.       81918                         Strand   -
Start          8851                          End      9699
Name           OJ991020_11.0303.C2.o5.gs     Method   GENSCAN
Start          8851                          End      9699
GI             none                          Score    .84
Exons          8851..9699

Seq. No.       39634                         Seq. ID  OJ991020_11.0303.C3
Gene No.       81919                         Strand   +
Start          205                           End      2673
Name           OJ991020_11.0303.C3.o1.gs     Method   GENSCAN
Start          205                           End      2673
GI             none                          Score    .88
Exons          205..272, 1023..1127, 1857..2028, 2030..2475, 2490..2673

Seq. No.       39634                         Seq. ID  OJ991020_11.0303.C3
Gene No.       81920                         Strand   +
Start          14757                         End      15369
Name           OJ991020_11.0303.C3.o5.gp     Method   AAT/GAP
Start          14757                         End      15369
GI             none                          Score    1164
Exons          14757..15369

Seq. No.       39634                         Seq. ID  OJ991020_11.0303.C3
Gene No.       81921                         Strand   +
Start          24273                         End      29561
Name           OJ991020_11.0303.C3.o5.gs     Method   GENSCAN
Start          24273                         End      29561
GI             none                          Score    .63
Exons          24273..24283, 24859..25001, 25740..25762, 28075..28190,
               28440..28566, 29161..29279, 29345..29561

Seq. No.       39634                         Seq. ID  OJ991020_11.0303.C3
Gene No.       81922                         Strand   -
Start          3848                          End      11695
Name           OJ991020_11.0303.C3.o1.gp     Method   AAT/GAP
Start          3575                          End      5109
GI             19351_1.R1084                 Score    1035
Exons          3575..3987, 4591..4672, 5043..5109
GI Descrip.    '3660467/emb|CAA05023| 1.0e-32 (AJ001807) succinyl-CoA-ligase
               alpha subunit [Arabidopsis thaliana]'

Seq. No.       39634                         Seq. ID  OJ991020_11.0303.C3
Gene No.       81922                         Strand   -
Start          3848                          End      11695
Name           OJ991020_11.0303.C3.o2.gs     Method   GENSCAN
Start          3848                          End      11611
GI             none                          Score    .58
Exons          3848..3987, 4160..4282, 4591..4672, 5043..5104, 5879..5942,
               6374..6583, 7712..7854, 7917..8126, 9255..9306, 9718..9778,
               9850..9977, 10542..10752, 10862..11165, 11259..11296,
               11391..11611
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Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81922 Strand -
Start 3848 End 11695
Name OJ991020_11.0303.C3.o1.np Method AAT/NAP
Start 3851 End 8737
GI 1711572 Score 956
Exons 3851..3987, 4591..4672, 5043..5105, 5571..5694, 5772..5942, 6374..6583, 7951..8137, 8680..8737
GI Descrip. SUCCINYL-COA LIGASE [GDP-FORMING] ALPHA-CHAIN, MITOCHONDRIAL PRECURSOR (SUCCINYL-COA SYNTHETASE, ALPHA CHAIN) (SCS-ALPHA) gi|1076415|pir||S30579 succinate--CoA ligase (GDP-forming) (EC 6.2.1.4) alpha chain - Arabidopsis thaliana (fragment) gi|16510|emb|CAA48891| (X69138) succinate--CoA ligase (GDP-forming) [Arabidopsis thaliana]

Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81922 Strand -
Start 3848 End 11695
Name OJ991020_11.0303.C3.o3.gp Method AAT/GAP
Start 4641 End 8067
GI 390_1.R1084 Score 938
Exons 4641..4681, 5050..5104, 5571..5761, 5868..5942, 6374..6583, 7951..8067
GI Descrip. '3660467/emb|CAA05023| 6.0e-64 (AJ001807) succinyl-CoA-ligase alpha subunit [Arabidopsis thaliana]'

Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81922 Strand -
Start 3848 End 11695
Name OJ991020_11.0303.C3.o4.gp Method AAT/GAP
Start 10056 End 11695
GI 757_1.R1084 Score 2011
Exons 10056..10327, 10542..10752, 10862..11165, 11259..11296, 11391..11695
GI Descrip. '1076724/pir||S52341 1.0e-114 LHCI-680, photosystem I antenna protein - barley >gi_666054_emb_CAA59049_ (X84308) LHCI-680, photosystem I antenna protein [Hordeum vulgare]'

Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81922 Strand -
Start 3848 End 11695
Name OJ991020_11.0303.C3.o2.np Method AAT/NAP
Start 10527 End 11614
GI 2306981 Score 1150
Exons 10527..10752, 10862..11165, 11259..11296, 11391..11614
GI Descrip. (AF010321) photosystem I antenna protein [Oryza sativa]

Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81923 Strand -
Start 12217 End 15171
Name OJ991020_11.0303.C3.o3.np Method AAT/NAP
Start 12217 End 15171
GI 6498436 Score 340
Exons 12217..12335, 12599..12921, 15130..15171
GI Descrip. (AP000815) hypothetical protein [Oryza sativa]

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81924	Strand	-
Start	15226	End	16483
Name	OJ991020_11.0303.C3.o3.gs	Method	GENSCAN
Start	15226	End	16287
GI	none	Score	1
Exons	15226..16287		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81924	Strand	-
Start	15226	End	16483
Name	OJ991020_11.0303.C3.o6.gp	Method	AAT/GAP
Start	15499	End	16483
GI	5977_1.R1084	Score	1916
Exons	15499..16483		
GI Descrip.	'5669894/gb|AAD46501.1|AF148805_6 7.0e-15 (AF148805) latent nuclear antigen [Kaposi''s sarcoma-associated herpesvirus]'		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o3.tm	Method	TBLASTX:Maize
Start	3774	End	8157
GI	none	Score	55
Exons	3774..3809, 3775..3807, 3811..3837, 3830..3988, 3834..3989, 4576..4611, 4586..4675, 4587..4673, 4592..4675, 4626..4697, 5041..5118, 5042..5119, 5541..5630, 5571..5633, 5572..5634, 5575..5634, 5614..5694, 5630..5713, 5633..5695, 5637..5711, 5868..5942, 5868..5942, 5869..5943, 6371..6583, 6372..6584, 6489..6584, 7891..8040, 7949..8041, 8046..8156, 8047..8157		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o3.ts	Method	TBLASTX:Soybean
Start	3778	End	6421
GI	none	Score	178
Exons	3778..3816, 3848..3988, 3861..3989, 3867..4022, 4586..4681, 4587..4673, 4592..4681, 5571..5633, 5575..5634, 5614..5694, 5630..5695, 5868..5942, 5869..5943, 6369..6416, 6371..6421		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o4.tc	Method	TBLASTX:Cress
Start	3848	End	8041
GI	none	Score	131
Exons	3848..3985, 3849..4022, 3861..3986, 4586..4675, 4592..4681, 5571..5633, 5581..5634, 5614..5694, 5633..5695, 5868..5942, 5869..5943, 6371..6583, 6372..6584, 7891..8022, 7891..8040, 7949..8041		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	10110	End	11292

GI	none	Score	55
Exons	10110..10226, 10270..10329, 10530..10751, 10531..10752, 10614..10757, 10627..10755, 10859..11167, 10859..10957, 10879..11166, 11057..11167, 11257..11292		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	10530	End	11447
GI	none	Score	280
Exons	10530..10751, 10531..10752, 10627..10752, 10859..11164, 10871..10957, 10879..11163, 11260..11298, 11391..11447, 11393..11446		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	10530	End	11151
GI	none	Score	172
Exons	10530..10712, 10531..10710, 10701..10769, 10702..10770, 10882..11151, 10883..11146		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	10530	End	10963
GI	none	Score	319
Exons	10530..10751, 10531..10752, 10614..10757, 10633..10755, 10859..10963, 10859..10957, 10879..10962		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o2.tw	Method	TBLASTX:Wheat
Start	10965	End	11447
GI	none	Score	59
Exons	10965..11009, 10999..11166, 11009..11167, 11197..11244, 11257..11298, 11387..11443, 11391..11447, 11391..11435, 11393..11446		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o5.tm	Method	TBLASTX:Maize
Start	16041	End	16462
GI	none	Score	94
Exons	16041..16154, 16045..16143, 16105..16143, 16127..16306, 16164..16301, 16199..16306, 16373..16462, 16379..16462		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o4.gs	Method	GENSCAN
Start	17134	End	23769

GI	none	Score	.58
Exons	17134..17231, 17387..17534, 19308..19381, 19592..19725, 21131..21173, 22192..23448, 23706..23769		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o5.np	Method	AAT/NAP
Start	17137	End	19706
GI	477134	Score	360
Exons	17137..17231, 17387..17534, 19308..19381, 19592..19706		
GI Descrip.	ubiquitin-conjugating enzyme ubc-2 - Caenorhabditis elegans		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	22187	End	23444
GI	none	Score	91
Exons	22187..22426, 22190..22429, 22481..23443, 22497..22946, 22709..22963, 22983..23444		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o6.np	Method	AAT/NAP
Start	22187	End	23510
GI	4220485	Score	1189
Exons	22187..23510		
GI Descrip.	(AC006069) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	22190	End	22730
GI	none	Score	80
Exons	22190..22390, 22191..22394, 22475..22681, 22491..22682, 22697..22729, 22698..22730		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	22232	End	23227
GI	none	Score	87
Exons	22232..22429, 22233..22424, 22481..22690, 22518..22688, 22682..23227, 22698..22958, 22995..23213		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o5.tc	Method	TBLASTX:Cress
Start	22730	End	23068
GI	none	Score	107
Exons	22730..22978, 22761..22961, 23030..23068		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o3.tc	Method	TBLASTX:Cress
Start	22979	End	23461
GI	none	Score	132
Exons	22979..23020, 23115..23249, 23120..23461, 23301..23438		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o3.tw	Method	TBLASTX:Wheat
Start	23153	End	23437
GI	none	Score	200
Exons	23153..23437		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o4.tm	Method	TBLASTX:Maize
Start	23228	End	23428
GI	none	Score	248
Exons	23228..23428, 23228..23428		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81926	Strand	+
Start	1	End	7014
Name	OJ991020_11.0303.C4.o1.np	Method	AAT/NAP
Start	1	End	2369
GI	4680183	Score	145
Exons	1..43, 1627..1695, 2278..2369		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81926	Strand	+
Start	1	End	7014
Name	OJ991020_11.0303.C4.o1.gs	Method	GENSCAN
Start	874	End	7014
GI	none	Score	.42
Exons	874..1048, 1119..1222, 1627..1695, 2148..2325, 3771..4044, 4132..4191, 5746..5887, 6002..6136, 6824..7014		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81927	Strand	+
Start	8511	End	11463
Name	OJ991020_11.0303.C4.o2.gs	Method	GENSCAN
Start	8511	End	11463
GI	none	Score	.77
Exons	8511..8756, 8828..8923, 9097..9270, 9719..9749, 10205..10524, 10530..11156, 11188..11463		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81928	Strand	+
Start	12210	End	14098
Name	OJ991020_11.0303.C4.o3.gs	Method	GENSCAN
Start	12210	End	14098
GI	none	Score	1

Exons	12210..12655, 12733..14098		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81928	Strand	+
Start	12210	End	14098
Name	OJ991020_11.0303.C4.o2.np	Method	AAT/NAP
Start	12234	End	14092
GI	4887010	Score	1762
Exons	12234..12655, 12733..14092		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81929	Strand	+
Start	14907	End	17113
Name	OJ991020_11.0303.C4.o3.np	Method	AAT/NAP
Start	14907	End	16743
GI	7485791	Score	105
Exons	14907..15043, 16725..16743		
GI Descrip.	hypothetical protein F19F24.9 - Arabidopsis thaliana gi|3004564|gb|AAC09037.1| (AC003673) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81929	Strand	+
Start	14907	End	17113
Name	OJ991020_11.0303.C4.o5.gs	Method	GENSCAN
Start	16313	End	17113
GI	none	Score	.71
Exons	16313..16438, 16925..17113		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81930	Strand	-
Start	14181	End	15740
Name	OJ991020_11.0303.C4.o4.gs	Method	GENSCAN
Start	14181	End	15740
GI	none	Score	.47
Exons	14181..14397, 14448..14842, 14871..15328, 15393..15662, 15728..15740		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81931	Strand	-
Start	17617	End	17734
Name	OJ991020_11.0303.C4.o4.np	Method	AAT/NAP
Start	17617	End	17734
GI	5922630	Score	143
Exons	17617..17734		
GI Descrip.	(AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016863|dbj|BAA85206.1| (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81932	Strand	-
Start	20159	End	27941
Name	OJ991020_11.0303.C4.o6.gs	Method	GENSCAN
Start	20159	End	24831

GI	none	Score	.61
Exons	20159..20785, 20845..21151, 24380..24831		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81932	Strand	-
Start	20159	End	27941
Name	OJ991020_11.0303.C4.o5.np	Method	AAT/NAP
Start	20195	End	24804
GI	4887010	Score	1466
Exons	20195..21202, 24380..24804		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81932	Strand	-
Start	20159	End	27941
Name	OJ991020_11.0303.C4.o6.np	Method	AAT/NAP
Start	24703	End	27941
GI	5852093	Score	51
Exons	24703..24788, 26449..26567, 27887..27941		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81932	Strand	-
Start	20159	End	27941
Name	OJ991020_11.0303.C4.o7.gs	Method	GENSCAN
Start	25582	End	27150
GI	none	Score	.51
Exons	25582..25596, 26675..26956, 27046..27150		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o3.ts	Method	TBLASTX:Soybean
Start	8610	End	9246
GI	none	Score	171
Exons	8610..8756, 8618..8758, 9081..9230, 9094..9246		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o5.tm	Method	TBLASTX:Maize
Start	9346	End	9506
GI	none	Score	108
Exons	9346..9504, 9353..9499, 9354..9506, 9360..9500		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o3.tm	Method	TBLASTX:Maize
Start	12195	End	24759
GI	none	Score	350
Exons	12195..12605, 12210..12374, 12344..12604, 24427..24759, 24430..24552, 24431..24718		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577

Name	OJ991020_11.0303.C4.o2.ts	Method	TBLASTX:Soybean
Start	12246	End	24784
GI	none	Score	121
Exons	12246..12377, 12279..12398, 12407..12652, 12414..12656, 12692..12862, 12724..12861, 21074..21199, 21076..21225, 24379..24612, 24383..24640, 24619..24756, 24644..24784		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o2.tc	Method	TBLASTX:Cress
Start	12276	End	24750
GI	none	Score	115
Exons	12276..12404, 12413..12652, 12414..12656, 12692..12832, 12724..12831, 21103..21225, 21104..21199, 24373..24552, 24379..24615, 24383..24619, 24628..24750, 24629..24718		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o2.tm	Method	TBLASTX:Maize
Start	12756	End	21177
GI	none	Score	86
Exons	12756..12857, 12757..12861, 12757..12858, 12758..12862, 12871..12978, 12875..12979, 12876..13004, 12976..13140, 12977..13141, 12986..13141, 20797..20964, 20798..20965, 20959..21096, 20960..21043, 21015..21068, 21034..21081, 21076..21177, 21080..21172		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	12886	End	21045
GI	none	Score	283
Exons	12886..13032, 12893..13150, 12974..13090, 13157..13282, 13159..13281, 13268..13411, 13276..13410, 13430..13669, 13486..13581, 13658..13768, 13690..13764, 13808..14089, 13822..14079, 20195..20278, 20267..20506, 20343..20453, 20525..20668, 20526..20660, 20654..20782, 20655..20777, 20758..21045, 20849..21043		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.tc	Method	TBLASTX:Cress
Start	12893	End	21045
GI	none	Score	194
Exons	12893..13063, 12895..13032, 13171..13326, 13174..13422, 13175..13423, 13175..13423, 13427..13669, 13486..13587, 13658..13768, 13681..13758, 13793..14074, 13808..14089, 13822..14088, 20195..20278, 20267..20509, 20343..20453, 20525..20761, 20526..20762, 20788..20826, 20875..21045, 20906..21043		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-

Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	13187	End	20749
GI	none	Score	265
Exons	13187..13414, 13207..13413, 13436..13534, 13436..13534, 20402..20500, 20403..20453, 20522..20749, 20526..20744		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	13333	End	20603
GI	none	Score	129
Exons	13333..13410, 13334..13414, 13334..13411, 13421..13594, 13427..13669, 13658..13723, 20213..20278, 20218..20241, 20267..20509, 20343..20453, 20522..20602, 20526..20603, 20547..20603		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o4.tm	Method	TBLASTX:Maize
Start	13790	End	20209
GI	none	Score	134
Exons	13790..13894, 13811..13900, 13819..13899, 13882..14094, 13883..14095, 13901..14095, 13965..14096, 13978..14103, 20171..20209		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o6.tm	Method	TBLASTX:Maize
Start	14859	End	15044
GI	none	Score	200
Exons	14859..15044, 14915..15040		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.gp	Method	AAT/GAP
Start	28515	End	28577
GI	4715947	Score	73
Exons	28515..28577		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	39636	Seq. ID	OJ991020_11.0303.C5
Gene No.	81934	Strand	+
Start	458	End	547
Name	OJ991020_11.0303.C5.o1.gs	Method	GENSCAN
Start	458	End	547
GI	none	Score	.45
Exons	458..547		

Seq. No.	39636	Seq. ID	OJ991020_11.0303.C5
Gene No.	81935	Strand	-
Start	1	End	2448
Name	OJ991020_11.0303.C5.o1.gp	Method	AAT/GAP
Start	1	End	2448
GI	33820_1.R1084	Score	1115
Exons	1..332, 480..556, 1075..1107, 1479..1541, 2331..2448		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	39636	Seq. ID	OJ991020_11.0303.C5
Gene No.	81936	Strand	-
Start	3010	End	3129
Name	OJ991020_11.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	479	End	2451
GI	none	Score	125
Exons	479..559, 480..557, 1075..1113, 1467..1544, 1471..1542, 1480..1554, 2328..2447, 2329..2451, 2332..2451		

Seq. No.	39636	Seq. ID	OJ991020_11.0303.C5
Gene No.	81936	Strand	-
Start	3010	End	3129
Name	OJ991020_11.0303.C5.o2.gs	Method	GENSCAN
Start	3010	End	3129
GI	none	Score	.67
Exons	3010..3129		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81937	Strand	+
Start	845	End	3379
Name	OJ991020_11.0303.C6.o1.np	Method	AAT/NAP
Start	845	End	3367
GI	7486437	Score	1289
Exons	845..941, 1848..3367		
GI Descrip.	hypothetical protein F4I1.4 - Arabidopsis thaliana gi|3128170|gb|AAC16074.1| (AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81937	Strand	+
Start	845	End	3379
Name	OJ991020_11.0303.C6.o1.gs	Method	GENSCAN
Start	866	End	3379
GI	none	Score	.73
Exons	866..941, 1839..3379		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81938	Strand	-
Start	3222	End	3544
Name	OJ991020_11.0303.C6.o1.gp	Method	AAT/GAP
Start	3222	End	3544
GI	none	Score	642
Exons	3222..3544		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	1847	End	2161
GI	none	Score	67
Exons	1847..1924, 1945..2055, 1946..2059, 2072..2116, 2132..2161		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o2.tc	Method	TBLASTX:Cress
Start	1850	End	2208
GI	none	Score	74
Exons	1850..1927, 1946..2050, 2105..2200, 2128..2208		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	2020	End	3223
GI	none	Score	161
Exons	2020..2052, 2108..2251, 2113..2226, 2435..2971, 2449..2958, 2684..2959, 2972..3079, 3167..3223		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	2210	End	2956
GI	none	Score	94
Exons	2210..2353, 2212..2355, 2434..2880, 2435..2884, 2873..2956		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	2407	End	3367
GI	none	Score	242
Exons	2407..2661, 2435..2665, 2620..2970, 2621..2971, 2920..3066, 2972..3088, 3166..3213, 3167..3211, 3293..3367, 3316..3366		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o2.gs	Method	GENSCAN
Start	4051	End	4344
GI	none	Score	.78
Exons	4051..4063, 4226..4344		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81940	Strand	+
Start	447	End	1830
Name	OJ991020_11.0303.C7.o1.gp	Method	AAT/GAP
Start	447	End	1112
GI	uC-osflcyp111a11b1	Score	868
Exons	447..560, 640..786, 918..1112		

GI Descrip.	'1652856/dbj|BAA17774| 1.0e-18 (D90909) hypothetical protein [Synechocystis sp.]'		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81940	Strand	+
Start	447	End	1830
Name	OJ991020_11.0303.C7.o1.np	Method	AAT/NAP
Start	622	End	1830
GI	7485781	Score	76
Exons	622..786, 918..1089, 1796..1830		
GI Descrip.	hypothetical protein F19F24.15 - Arabidopsis thaliana gi|3004556|gb|AAC09029.1| (AC003673) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81941	Strand	-
Start	447	End	1828
Name	OJ991020_11.0303.C7.o1.tc	Method	TBLASTX:Cress
Start	433	End	781
GI	none	Score	36
Exons	433..462, 472..558, 472..585, 507..587, 637..753, 641..781, 728..781		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81941	Strand	-
Start	447	End	1828
Name	OJ991020_11.0303.C7.o1.gs	Method	GENSCAN
Start	447	End	1640
GI	none	Score	.61
Exons	447..625, 1562..1640		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81941	Strand	-
Start	447	End	1828
Name	OJ991020_11.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	471	End	1820
GI	none	Score	134
Exons	471..557, 472..558, 640..753, 641..787, 653..799, 898..1143, 916..1146, 1023..1166, 1745..1792, 1747..1818, 1753..1818, 1776..1820		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81941	Strand	-
Start	447	End	1828
Name	OJ991020_11.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	665	End	1828
GI	none	Score	172
Exons	665..787, 665..796, 898..1143, 899..991, 916..1146, 1023..1166, 1747..1818, 1753..1818, 1754..1828, 1776..1820		

Seq. No.	39639	Seq. ID	OJ991220_12.0308.C2
Gene No.	81942	Strand	-
Start	193	End	325
Name	OJ991220_12.0308.C2.o1.gp	Method	AAT/GAP
Start	193	End	325
GI	none	Score	233
Exons	193..325		

Seq. No.	39640	Seq. ID	OJ991220_12.0308.C3
Gene No.	81943	Strand	
Start	1	End	591
Name	OJ991220_12.0308.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	286
GI	none	Score	114
Exons	1..72, 2..88, 2..82, 3..86, 185..286, 199..285		

Seq. No.	39640	Seq. ID	OJ991220_12.0308.C3
Gene No.	81943	Strand	
Start	1	End	591
Name	OJ991220_12.0308.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	591
GI	none	Score	84
Exons	2..61, 3..89, 4..60, 191..589, 199..591		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4
Gene No.	81944	Strand	+
Start	8710	End	9072
Name	OJ991220_12.0308.C4.o1.tm	Method	TBLASTX:Maize
Start	28	End	759
GI	none	Score	74
Exons	28..90, 34..87, 35..100, 36..107, 36..128, 74..235, 99..236, 133..234, 570..743, 575..673, 576..743, 577..759, 577..756		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4
Gene No.	81944	Strand	+
Start	8710	End	9072
Name	OJ991220_12.0308.C4.o3.tm	Method	TBLASTX:Maize
Start	4994	End	5241
GI	none	Score	184
Exons	4994..5062, 4995..5162, 4995..5141, 4996..5163, 5008..5199, 5111..5200, 5150..5212, 5152..5232, 5159..5212, 5161..5241, 5181..5240		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4
Gene No.	81944	Strand	+
Start	8710	End	9072
Name	OJ991220_12.0308.C4.o2.tm	Method	TBLASTX:Maize
Start	5803	End	7507
GI	none	Score	94
Exons	5803..5841, 5871..5993, 5878..5973, 6190..6246, 6239..6310, 6252..6311, 6252..6308, 7241..7366, 7242..7364, 7244..7366, 7456..7506, 7457..7507		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4
Gene No.	81944	Strand	+
Start	8710	End	9072
Name	OJ991220_12.0308.C4.o1.gp	Method	AAT/GAP
Start	8710	End	9072
GI	59130_1.R1084	Score	686
Exons	8710..9072		
GI Descrip.	'567893 7.0e-30 (L37382) beta-galactosidase-complementation protein [Cloning vector]'		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4

Gene No.	81945	Strand	
Start	9700	End	10046
Name	OJ991220_12.0308.C4.o1.ts	Method	TBLASTX:Soybean
Start	9700	End	10046
GI	none	Score	116
Exons	9700..9735, 9852..10046, 9880..10038, 9927..10034		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81946	Strand	-
Start	2608	End	3401
Name	OJ991220_12.0308.C5.o1.gp	Method	AAT/GAP
Start	2608	End	3401
GI	2310899	Score	638
Exons	2608..2751, 3178..3401		
GI Descrip.	4584538/emb|CAB40768.1| 1.0e-12 (AL049608) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81947	Strand	-
Start	4449	End	5398
Name	OJ991220_12.0308.C5.o2.gp	Method	AAT/GAP
Start	4449	End	5398
GI	79912_1.R1084	Score	1124
Exons	4449..4837, 4949..5074, 5155..5249, 5330..5398		
GI Descrip.	'2270994 7.0e-35 (AF004809) Ca+2-binding EF hand protein [Glycine max]'		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o1.tm	Method	TBLASTX:Maize
Start	1175	End	1555
GI	none	Score	172
Exons	1175..1342, 1177..1341, 1324..1554, 1325..1555		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o1.tc	Method	TBLASTX:Cress
Start	4687	End	5878
GI	none	Score	67
Exons	4687..4827, 4730..4825, 4948..5076, 4949..5077, 5152..5247, 5157..5240, 5330..5416, 5331..5417, 5519..5599, 5520..5597, 5631..5672, 5648..5674, 5792..5878		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o2.tm	Method	TBLASTX:Maize
Start	4697	End	5187
GI	none	Score	191
Exons	4697..4885, 4711..4833, 4943..5077, 4947..5024, 4948..5079, 4948..5076, 5150..5179, 5153..5185, 5157..5186, 5158..5187		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138

Name	OJ991220_12.0308.C5.o1.tw	Method	TBLASTX:Wheat
Start	4711	End	5222
GI	none	Score	62
Exons	4711..4830, 4712..4831, 4948..5076, 4949..5077, 5157..5222		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o1.ts	Method	TBLASTX:Soybean
Start	4718	End	5881
GI	none	Score	105
Exons	4718..4837, 4720..4833, 4943..5068, 4948..5076, 5155..5247, 5157..5240, 5330..5416, 5481..5609, 5519..5599, 5792..5881		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o3.tm	Method	TBLASTX:Maize
Start	5208	End	5680
GI	none	Score	42
Exons	5208..5240, 5223..5255, 5330..5413, 5330..5419, 5519..5680, 5520..5678, 5632..5679		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o3.gp	Method	AAT/GAP
Start	5562	End	6138
GI	68583_1.R1084	Score	753
Exons	5562..5676, 5791..6138		
GI Descrip.	'1177320/emb|CAA61981| 6.0e-12 (X89891) EFA27 for EF hand, abscisic acid, 27kD [Oryza sativa]'		

Seq. No.	39643	Seq. ID	OJ991220_12.0308.C6
Gene No.	81949	Strand	-
Start	2613	End	2711
Name	OJ991220_12.0308.C6.o1.gp	Method	AAT/GAP
Start	2613	End	2711
GI	LIB3477-003-P1-K1-E9	Score	105
Exons	2613..2711		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39644	Seq. ID	OJ991220_12.0308.C7
Gene No.	81950	Strand	-
Start	898	End	2524
Name	OJ991220_12.0308.C7.o1.gp	Method	AAT/GAP
Start	898	End	2524
GI	248_1.R1084	Score	1729
Exons	898..1289, 1427..1552, 1661..1755, 1859..1944, 2196..2345, 2447..2524		
GI Descrip.	'1177320/emb|CAA61981| 1.0e-132 (X89891) EFA27 for EF hand, abscisic acid, 27kD [Oryza sativa]'		

Seq. No.	39644	Seq. ID	OJ991220_12.0308.C7
Gene No.	81950	Strand	-

Start	898	End	2524
Name	OJ991220_12.0308.C7.o1.ts	Method	TBLASTX:Soybean
Start	1136	End	2520
GI	none	Score	68
Exons	1136..1288, 1182..1286, 1184..1297, 1429..1554, 1430..1546, 1660..1764, 1664..1756, 1859..1957, 1860..1952, 2195..2260, 2200..2346, 2206..2343, 2448..2516, 2449..2520		

Seq. No.	39644	Seq. ID	OJ991220_12.0308.C7
Gene No.	81950	Strand	-
Start	898	End	2524
Name	OJ991220_12.0308.C7.o1.tc	Method	TBLASTX:Cress
Start	1137	End	2522
GI	none	Score	91
Exons	1137..1286, 1148..1288, 1172..1297, 1426..1539, 1429..1563, 1430..1555, 1654..1767, 1655..1747, 1657..1755, 1859..1957, 1860..1946, 2195..2272, 2206..2346, 2206..2343, 2448..2522, 2449..2520		

Seq. No.	39644	Seq. ID	OJ991220_12.0308.C7
Gene No.	81950	Strand	-
Start	898	End	2524
Name	OJ991220_12.0308.C7.o1.tm	Method	TBLASTX:Maize
Start	1217	End	2520
GI	none	Score	69
Exons	1217..1288, 1660..1764, 1661..1747, 1859..1957, 1860..1946, 2204..2344, 2206..2343, 2209..2346, 2448..2516, 2449..2520		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o1.tw	Method	TBLASTX:Wheat
Start	1046	End	1333
GI	none	Score	178
Exons	1046..1108, 1048..1110, 1097..1333, 1180..1332		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o2.tc	Method	TBLASTX:Cress
Start	1163	End	1477
GI	none	Score	238
Exons	1163..1477, 1174..1470		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o2.tm	Method	TBLASTX:Maize
Start	1163	End	1380
GI	none	Score	200
Exons	1163..1345, 1174..1380, 1201..1374		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o1.ts	Method	TBLASTX:Soybean
Start	1181	End	2753

GI	none	Score	211
Exons	1181..1483, 1183..1482, 1575..1634, 1659..2099, 1684..2022, 2064..2159, 2322..2459, 2356..2472, 2357..2503, 2396..2473, 2550..2705, 2552..2692, 2552..2746, 2553..2753		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o1.tm	Method	TBLASTX:Maize
Start	1381	End	1811
GI	none	Score	112
Exons	1381..1482, 1382..1483, 1554..1658, 1558..1662, 1656..1811, 1657..1809		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o5.tm	Method	TBLASTX:Maize
Start	1818	End	2135
GI	none	Score	130
Exons	1818..2024, 1819..1974, 2058..2135		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o1.tc	Method	TBLASTX:Cress
Start	2037	End	2768
GI	none	Score	124
Exons	2037..2162, 2349..2459, 2360..2476, 2360..2458, 2549..2692, 2558..2767, 2559..2768, 2571..2768		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o4.tm	Method	TBLASTX:Maize
Start	2366	End	2830
GI	none	Score	189
Exons	2366..2455, 2555..2830		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81952	Strand	
Start	2771	End	3482
Name	OJ991220_12.0308.C9.o2.ts	Method	TBLASTX:Soybean
Start	2771	End	3482
GI	none	Score	74
Exons	2771..2890, 2774..2893, 3003..3089, 3022..3090, 3305..3457, 3308..3481, 3318..3482		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81952	Strand	
Start	2771	End	3482
Name	OJ991220_12.0308.C9.o3.tm	Method	TBLASTX:Maize
Start	3317	End	3461
GI	none	Score	187
Exons	3317..3454, 3318..3452, 3318..3461		

Seq. No.	39646	Seq. ID	OJ991220_12.0308.C10

Gene No.	81953	Strand	-
Start	1936	End	2156
Name	OJ991220_12.0308.C10.o1.gp	Method	AAT/GAP
Start	1936	End	2156
GI	none	Score	379
Exons	1936..2156		

Seq. No.	39647	Seq. ID	OJ991220_12.0308.C11
Gene No.	81954	Strand	-
Start	3650	End	4000
Name	OJ991220_12.0308.C11.o1.gp	Method	AAT/GAP
Start	3650	End	4000
GI	none	Score	636
Exons	3650..4000		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81955	Strand	-
Start	913	End	1075
Name	OJ991220_12.0308.C12.o1.gp	Method	AAT/GAP
Start	913	End	1075
GI	none	Score	297
Exons	913..1075		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81956	Strand	-
Start	1083	End	1739
Name	OJ991220_12.0308.C12.o2.gp	Method	AAT/GAP
Start	1083	End	1603
GI	LIB3434-051-P1-K1-B3	Score	813
Exons	1083..1168, 1252..1603		
GI Descrip.	'4204286 1.0e-13 (AC003027) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81956	Strand	-
Start	1083	End	1739
Name	OJ991220_12.0308.C12.o4.tm	Method	TBLASTX:Maize
Start	1285	End	1739
GI	none	Score	106
Exons	1285..1386, 1286..1387, 1287..1451, 1292..1393, 1427..1459, 1489..1617, 1491..1616, 1566..1667, 1616..1666, 1623..1685, 1651..1734, 1674..1733, 1691..1738, 1692..1739		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81957	Strand	
Start	5936	End	6221
Name	OJ991220_12.0308.C12.o7.tw	Method	TBLASTX:Wheat
Start	5936	End	6221
GI	none	Score	87
Exons	5936..5974, 5937..6026, 5985..6221, 6032..6220		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81958	Strand	
Start	6890	End	7306
Name	OJ991220_12.0308.C12.o5.tw	Method	TBLASTX:Wheat
Start	6890	End	7306
GI	none	Score	110

Exons	6890..7009, 6898..6999, 7070..7306, 7072..7296		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81959	Strand	
Start	7499	End	7984
Name	OJ991220_12.0308.C12.o1.tw	Method	TBLASTX:Wheat
Start	7499	End	7954
GI	none	Score	567
Exons	7499..7954, 7507..7953		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81959	Strand	
Start	7499	End	7984
Name	OJ991220_12.0308.C12.o2.ts	Method	TBLASTX:Soybean
Start	7538	End	7903
GI	none	Score	109
Exons	7538..7762, 7769..7903		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81959	Strand	
Start	7499	End	7984
Name	OJ991220_12.0308.C12.o1.tm	Method	TBLASTX:Maize
Start	7628	End	7984
GI	none	Score	427
Exons	7628..7984, 7690..7983		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81960	Strand	
Start	8012	End	8548
Name	OJ991220_12.0308.C12.o3.tm	Method	TBLASTX:Maize
Start	8012	End	8395
GI	none	Score	311
Exons	8012..8395, 8039..8149, 8046..8228, 8176..8394		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81960	Strand	
Start	8012	End	8548
Name	OJ991220_12.0308.C12.o2.tw	Method	TBLASTX:Wheat
Start	8069	End	8493
GI	none	Score	449
Exons	8069..8491, 8114..8458, 8170..8493		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81960	Strand	
Start	8012	End	8548
Name	OJ991220_12.0308.C12.o1.ts	Method	TBLASTX:Soybean
Start	8123	End	8548
GI	none	Score	298
Exons	8123..8548, 8182..8307		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81961	Strand	
Start	8619	End	9044
Name	OJ991220_12.0308.C12.o6.tw	Method	TBLASTX:Wheat
Start	8619	End	9044
GI	none	Score	172
Exons	8619..8861, 8684..8863, 8889..9044, 8973..9044		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81962	Strand	
Start	9087	End	9341
Name	OJ991220_12.0308.C12.o8.tw	Method	TBLASTX:Wheat
Start	9087	End	9341
GI	none	Score	176
Exons	9087..9341		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81963	Strand	
Start	9432	End	9929
Name	OJ991220_12.0308.C12.o2.tm	Method	TBLASTX:Maize
Start	9432	End	9893
GI	none	Score	339
Exons	9432..9893, 9551..9751, 9779..9892		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81963	Strand	
Start	9432	End	9929
Name	OJ991220_12.0308.C12.o4.tw	Method	TBLASTX:Wheat
Start	9546	End	9929
GI	none	Score	354
Exons	9546..9929, 9581..9928		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81964	Strand	
Start	10052	End	10660
Name	OJ991220_12.0308.C12.o3.tw	Method	TBLASTX:Wheat
Start	10052	End	10660
GI	none	Score	339
Exons	10052..10504, 10057..10134, 10201..10308, 10529..10660, 10534..10659		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81964	Strand	
Start	10052	End	10660
Name	OJ991220_12.0308.C12.o5.tm	Method	TBLASTX:Maize
Start	10358	End	10624
GI	none	Score	141
Exons	10358..10540, 10415..10540, 10534..10590, 10541..10624		

Seq. No.	39649	Seq. ID	OJ991220_12.0308.C14
Gene No.	81965	Strand	
Start	1107	End	2746
Name	OJ991220_12.0308.C14.o1.tc	Method	TBLASTX:Cress
Start	1107	End	2744
GI	none	Score	110
Exons	1107..1178, 1182..1283, 1195..1281, 1372..1530, 1386..1529, 2634..2744		

Seq. No.	39649	Seq. ID	OJ991220_12.0308.C14
Gene No.	81965	Strand	
Start	1107	End	2746
Name	OJ991220_12.0308.C14.o1.tw	Method	TBLASTX:Wheat
Start	1117	End	1415
GI	none	Score	159

Exons	1117..1281, 1125..1283, 1386..1415		

Seq. No.	39649	Seq. ID	OJ991220_12.0308.C14
Gene No.	81965	Strand	
Start	1107	End	2746
Name	OJ991220_12.0308.C14.o1.tm	Method	TBLASTX:Maize
Start	1120	End	2746
GI	none	Score	178
Exons	1120..1281, 1120..1281, 1125..1283, 1372..1539, 1386..1547, 1386..1532, 1390..1545, 1521..1556, 2404..2496, 2637..2744, 2638..2745, 2681..2746		

Seq. No.	39650	Seq. ID	OJ991220_12.0308.C16
Gene No.	81966	Strand	+
Start	835	End	1123
Name	OJ991220_12.0308.C16.o1.gp	Method	AAT/GAP
Start	835	End	1123
GI	426253	Score	534
Exons	835..1123		

Seq. No.	39650	Seq. ID	OJ991220_12.0308.C16
Gene No.	81967	Strand	+
Start	7400	End	7527
Name	OJ991220_12.0308.C16.o2.gp	Method	AAT/GAP
Start	7400	End	7527
GI	746_1.R1084	Score	192
Exons	7400..7527		
GI Descrip.	'2160782 0.0e+00 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]'		

Seq. No.	39651	Seq. ID	OJ991220_12.0308.C17
Gene No.	81968	Strand	+
Start	1	End	1277
Name	OJ991220_12.0308.C17.o1.gp	Method	AAT/GAP
Start	1	End	1277
GI	746_1.R1084	Score	2369
Exons	1..1277		
GI Descrip.	'2160782 0.0e+00 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]'		

Seq. No.	39651	Seq. ID	OJ991220_12.0308.C17
Gene No.	81968	Strand	+
Start	1	End	1277
Name	OJ991220_12.0308.C17.o2.tm	Method	TBLASTX:Maize
Start	1	End	222
GI	none	Score	364
Exons	1..222, 1..129, 2..130, 3..218		

Seq. No.	39651	Seq. ID	OJ991220_12.0308.C17
Gene No.	81968	Strand	+
Start	1	End	1277
Name	OJ991220_12.0308.C17.o1.tc	Method	TBLASTX:Cress
Start	1	End	756
GI	none	Score	1025
Exons	1..756, 6..92, 16..135, 120..362, 463..540, 525..707		

Seq. No.	39651	Seq. ID	OJ991220_12.0308.C17

Gene No.	81968	Strand	+
Start	1	End	1277
Name	OJ991220_12.0308.C17.o1.ts	Method	TBLASTX:Soybean
Start	15	End	690
GI	none	Score	919
Exons	15..377, 16..690, 457..663, 525..683		

Seq. No.	39651	Seq. ID	OJ991220_12.0308.C17
Gene No.	81968	Strand	+
Start	1	End	1277
Name	OJ991220_12.0308.C17.o3.tm	Method	TBLASTX:Maize
Start	234	End	390
GI	none	Score	65
Exons	234..281, 235..282, 274..390, 297..389, 313..390		

Seq. No.	39651	Seq. ID	OJ991220_12.0308.C17
Gene No.	81968	Strand	+
Start	1	End	1277
Name	OJ991220_12.0308.C17.o1.tm	Method	TBLASTX:Maize
Start	391	End	807
GI	none	Score	608
Exons	391..807, 432..479, 525..806		

Seq. No.	39652	Seq. ID	OJ991220_12.0308.C19
Gene No.	81969	Strand	-
Start	5485	End	5831
Name	OJ991220_12.0308.C19.o1.gp	Method	AAT/GAP
Start	5485	End	5831
GI	LIB3433-048-P1-K1-F6	Score	586
Exons	5485..5831		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 4.0e-47 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	39653	Seq. ID	OJ991220_12.0308.C20
Gene No.	81970	Strand	
Start	5171	End	5602
Name	OJ991220_12.0308.C20.o1.ts	Method	TBLASTX:Soybean
Start	5171	End	5599
GI	none	Score	42
Exons	5171..5200, 5179..5199, 5319..5411, 5319..5411, 5323..5442, 5406..5462, 5414..5455, 5465..5599, 5466..5597		

Seq. No.	39653	Seq. ID	OJ991220_12.0308.C20
Gene No.	81970	Strand	
Start	5171	End	5602
Name	OJ991220_12.0308.C20.o1.tc	Method	TBLASTX:Cress
Start	5394	End	5599
GI	none	Score	96
Exons	5394..5462, 5465..5599, 5466..5597		

Seq. No.	39653	Seq. ID	OJ991220_12.0308.C20
Gene No.	81970	Strand	
Start	5171	End	5602
Name	OJ991220_12.0308.C20.o1.tm	Method	TBLASTX:Maize
Start	5462	End	5602
GI	none	Score	217
Exons	5462..5602, 5463..5597		

Seq. No.	39654	Seq. ID	OJ991220_12.0308.C21
Gene No.	81971	Strand	+
Start	2870	End	3364
Name	OJ991220_12.0308.C21.o1.gp	Method	AAT/GAP
Start	2870	End	3364
GI	uC-osroM202014g10b1	Score	689
Exons	2870..3198, 3306..3364		
GI Descrip.	'2914703 2.0e-15 (AC003974) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39654	Seq. ID	OJ991220_12.0308.C21
Gene No.	81972	Strand	
Start	3304	End	5656
Name	OJ991220_12.0308.C21.o1.tm	Method	TBLASTX:Maize
Start	3304	End	5652
GI	none	Score	73
Exons	3304..3342, 3305..3343, 3354..3530, 3430..3531, 3430..3534, 5536..5646, 5537..5647, 5537..5647, 5538..5651, 5539..5652		

Seq. No.	39654	Seq. ID	OJ991220_12.0308.C21
Gene No.	81972	Strand	
Start	3304	End	5656
Name	OJ991220_12.0308.C21.o1.tc	Method	TBLASTX:Cress
Start	5519	End	5656
GI	none	Score	202
Exons	5519..5656, 5536..5634, 5540..5641, 5541..5651		

Seq. No.	39654	Seq. ID	OJ991220_12.0308.C21
Gene No.	81972	Strand	
Start	3304	End	5656
Name	OJ991220_12.0308.C21.o1.ts	Method	TBLASTX:Soybean
Start	5519	End	5656
GI	none	Score	207
Exons	5519..5656, 5519..5635, 5536..5646		

Seq. No.	39655	Seq. ID	OJ991220_12.0308.C22
Gene No.	81973	Strand	+
Start	1071	End	1262
Name	OJ991220_12.0308.C22.o1.gp	Method	AAT/GAP
Start	1071	End	1262
GI	5667165	Score	352
Exons	1071..1262		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81974	Strand	+
Start	732	End	1433
Name	OJ991220_12.0308.C23.o1.gp	Method	AAT/GAP
Start	732	End	1433
GI	4715227	Score	788
Exons	732..982, 1104..1206, 1331..1433		
GI Descrip.	3820531/gb|AAC69619.1| 1.0e-38 (AF072736) beta-glucosidase [Pinus contorta]		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23

Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o1.tm	Method	TBLASTX:Maize
Start	723	End	11038
GI	none	Score	94
Exons	723..902, 725..901, 736..981, 737..982, 1104..1208, 1351..1434, 1557..1721, 1558..1722, 7648..7725, 7650..7706, 7875..7958, 7882..7959, 8022..8084, 8023..8085, 8023..8109, 8030..8110, 8200..8286, 8200..8286, 8201..8299, 8204..8293, 8361..8615, 8364..8468, 8366..8572, 8493..8621, 8788..8898, 8810..8899, 9212..9307, 9213..9314, 9297..9458, 9299..9454, 9544..9660, 9579..9650, 9580..9735, 10647..10757, 10647..10763, 10873..11037, 10873..11037, 10874..11038		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o1.ts	Method	TBLASTX:Soybean
Start	734	End	11032
GI	none	Score	155
Exons	734..889, 1128..1208, 1327..1431, 1563..1706, 1564..1716, 7303..7362, 7416..7499, 7846..7959, 7882..7962, 8041..8109, 8042..8110, 8200..8277, 8201..8287, 8363..8578, 8364..8615, 8367..8621, 8785..8898, 8813..8902, 9210..9296, 9288..9368, 9568..9660, 10879..11022, 10880..11032		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o1.tw	Method	TBLASTX:Wheat
Start	734	End	9317
GI	none	Score	129
Exons	734..886, 7876..7959, 8197..8280, 8204..8287, 8367..8501, 8526..8624, 8810..8902, 9209..9286, 9210..9317		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o3.tc	Method	TBLASTX:Cress
Start	734	End	11032
GI	none	Score	134
Exons	734..889, 1563..1715, 1564..1728, 9568..9660, 10879..11031, 10880..11032, 10880..11032		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o3.tw	Method	TBLASTX:Wheat
Start	1563	End	11046
GI	none	Score	185
Exons	1563..1694, 1564..1725, 9592..9660, 10879..11025, 10880..11041, 10886..11032, 10897..11046		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.gp	Method	AAT/GAP

Start	2345	End	2461
GI	3683_1.R1084	Score	120
Exons	2345..2461		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.tm	Method	TBLASTX:Maize
Start	4697	End	5387
GI	none	Score	64
Exons	4697..4744, 4698..4745, 4727..4909, 4762..4860, 4903..5022, 4911..5021, 5111..5287, 5112..5288, 5271..5375, 5331..5387		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.tw	Method	TBLASTX:Wheat
Start	4727	End	5258
GI	none	Score	113
Exons	4727..4903, 4762..4866, 4903..5019, 4920..5018, 5139..5258, 5144..5245		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.tc	Method	TBLASTX:Cress
Start	4759	End	5282
GI	none	Score	101
Exons	4759..4839, 4760..4900, 4914..5027, 4927..5022, 5100..5282, 5117..5185, 5205..5282		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.ts	Method	TBLASTX:Soybean
Start	4768	End	5393
GI	none	Score	117
Exons	4768..4800, 4769..4900, 4894..5028, 4908..5057, 5109..5288, 5144..5287, 5286..5393		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o1.tc	Method	TBLASTX:Cress
Start	8201	End	8615
GI	none	Score	92
Exons	8201..8299, 8330..8578, 8361..8615		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81976	Strand	
Start	13	End	2751
Name	OJ991220_12.0308.C24.o1.ts	Method	TBLASTX:Soybean
Start	13	End	498
GI	none	Score	81
Exons	13..123, 139..324, 418..498		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81976	Strand	
Start	13	End	2751
Name	OJ991220_12.0308.C24.o1.tm	Method	TBLASTX:Maize
Start	274	End	831
GI	none	Score	115
Exons	274..417, 274..381, 430..831, 438..722		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81976	Strand	
Start	13	End	2751
Name	OJ991220_12.0308.C24.o2.ts	Method	TBLASTX:Soybean
Start	499	End	2751
GI	none	Score	175
Exons	499..720, 2257..2505, 2614..2751		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81976	Strand	
Start	13	End	2751
Name	OJ991220_12.0308.C24.o2.tm	Method	TBLASTX:Maize
Start	2221	End	2502
GI	none	Score	220
Exons	2221..2502, 2247..2501		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81977	Strand	-
Start	4849	End	7338
Name	OJ991220_12.0308.C24.o1.tc	Method	TBLASTX:Cress
Start	4849	End	7338
GI	none	Score	95
Exons	4849..4947, 5038..5088, 7009..7086, 7090..7221, 7240..7338		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o1.tm	Method	TBLASTX:Maize
Start	129	End	3496
GI	none	Score	82
Exons	129..194, 142..216, 143..193, 278..349, 278..349, 279..353, 429..518, 430..570, 665..721, 666..725, 716..865, 718..840, 720..881, 875..967, 881..967, 1125..1247, 1150..1251, 1152..1250, 1336..1398, 1340..1399, 1341..1400, 1502..1606, 1502..1606, 1503..1616, 1506..1613, 1759..1896, 1774..1896, 1793..1903, 1794..1934, 1926..1985, 1935..1985, 2097..2132, 2100..2174, 2310..2429, 2312..2428, 2491..2688, 2494..2688, 2511..2690, 2956..3090, 2972..3085, 2973..3086, 2974..3087, 3181..3330, 3185..3337, 3186..3491, 3365..3496, 3371..3496		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o1.ts	Method	TBLASTX:Soybean
Start	1793	End	2693
GI	none	Score	227
Exons	1793..1903, 1794..1976, 1933..1998, 2100..2180, 2360..2425, 2494..2688, 2521..2688, 2553..2693		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o2.ts	Method	TBLASTX:Soybean
Start	2974	End	3344
GI	none	Score	114
Exons	2974..3090, 3180..3284, 3300..3344		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o3.tm	Method	TBLASTX:Maize
Start	4745	End	5114
GI	none	Score	42
Exons	4745..4792, 4765..4908, 4769..4912, 5039..5080, 5088..5114		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o3.ts	Method	TBLASTX:Soybean
Start	5261	End	5573
GI	none	Score	86
Exons	5261..5344, 5265..5360, 5434..5568, 5471..5494, 5472..5573		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o2.tm	Method	TBLASTX:Maize
Start	5459	End	6208
GI	none	Score	194
Exons	5459..5569, 5461..5589, 5463..5570, 5926..6045, 5927..6046, 5954..6061, 6119..6202, 6134..6208		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o1.gp	Method	AAT/GAP
Start	5519	End	5772
GI	uC-osflcyp142b03b1	Score	488
Exons	5519..5772		
GI Descrip.	'3820531/gb|AAC69619.1| 1.0e-38 (AF072736) beta-glucosidase [Pinus contorta]'		

Seq. No.	39659	Seq. ID	OJ991220_12.0308.C27
Gene No.	81979	Strand	
Start	93	End	1779
Name	OJ991220_12.0308.C27.o1.tm	Method	TBLASTX:Maize
Start	93	End	1779
GI	none	Score	100
Exons	93..143, 94..153, 1187..1273, 1198..1413, 1198..1410, 1200..1415, 1543..1710, 1544..1711, 1549..1779, 1679..1774		

Seq. No.	39659	Seq. ID	OJ991220_12.0308.C27
Gene No.	81979	Strand	
Start	93	End	1779
Name	OJ991220_12.0308.C27.o1.tc	Method	TBLASTX:Cress

Start	94	End	1779
GI	none	Score	78
Exons	94..153, 1198..1413, 1234..1410, 1546..1641, 1549..1650, 1657..1779, 1661..1774		

Seq. No.	39659	Seq. ID	OJ991220_12.0308.C27
Gene No.	81979	Strand	
Start	93	End	1779
Name	OJ991220_12.0308.C27.o2.ts	Method	TBLASTX:Soybean
Start	206	End	413
GI	none	Score	69
Exons	206..256, 214..306, 261..413, 265..324, 272..409		

Seq. No.	39659	Seq. ID	OJ991220_12.0308.C27
Gene No.	81979	Strand	
Start	93	End	1779
Name	OJ991220_12.0308.C27.o1.ts	Method	TBLASTX:Soybean
Start	1291	End	1779
GI	none	Score	164
Exons	1291..1413, 1291..1410, 1293..1427, 1344..1415, 1543..1710, 1544..1711, 1549..1779, 1679..1774		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.np	Method	AAT/NAP
Start	1	End	2853
GI	6630696	Score	4694
Exons	1..2853		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o2.tm	Method	TBLASTX:Maize
Start	7	End	403
GI	none	Score	64
Exons	7..402, 85..267, 272..403		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o3.tw	Method	TBLASTX:Wheat
Start	58	End	402
GI	none	Score	49
Exons	58..402, 224..346		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.ts	Method	TBLASTX:Soybean
Start	73	End	537
GI	5509260	Score	84
Exons	73..537, 281..442		
GI Descrip.	-		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.tc	Method	TBLASTX:Cress
Start	184	End	444
GI	none	Score	100
Exons	184..444, 272..442		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.tw	Method	TBLASTX:Wheat
Start	457	End	1212
GI	none	Score	104
Exons	457..615, 457..1212, 462..1193, 707..1204		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o2.ts	Method	TBLASTX:Soybean
Start	862	End	1260
GI	none	Score	100
Exons	862..1035, 1039..1260, 1046..1258		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o3.tm	Method	TBLASTX:Maize
Start	1048	End	1512
GI	none	Score	77
Exons	1048..1512, 1055..1231		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o4.tw	Method	TBLASTX:Wheat
Start	1213	End	1405
GI	none	Score	210
Exons	1213..1404, 1214..1405		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o3.ts	Method	TBLASTX:Soybean
Start	1270	End	1650
GI	none	Score	88
Exons	1270..1518, 1501..1650		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.tm	Method	TBLASTX:Maize
Start	1598	End	2010
GI	none	Score	52
Exons	1598..1663, 1600..1665, 1660..2010, 1702..1986, 1703..1987		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o4.tm	Method	TBLASTX:Maize
Start	2501	End	2811
GI	none	Score	171
Exons	2501..2764, 2503..2811		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o2.tw	Method	TBLASTX:Wheat
Start	2562	End	2959
GI	none	Score	140
Exons	2562..2744, 2562..2744, 2563..2847, 2576..2773, 2824..2958, 2861..2959		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.np	Method	AAT/NAP
Start	1	End	870
GI	1076334	Score	434
Exons	1..84, 130..404, 598..870		
GI Descrip.	hypothetical protein HYP1 - Arabidopsis thaliana gi|499168|emb|CAA56145| (X79707) HYP1 [Arabidopsis thaliana]		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o2.ts	Method	TBLASTX:Soybean
Start	113	End	405
GI	none	Score	70
Exons	113..181, 123..185, 179..331, 195..374, 204..404, 256..405		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.tc	Method	TBLASTX:Cress
Start	132	End	873
GI	none	Score	248
Exons	132..377, 134..370, 138..404, 571..630, 717..866, 718..873		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.tm	Method	TBLASTX:Maize
Start	203	End	796
GI	none	Score	239
Exons	203..367, 204..380, 574..795, 595..795, 596..796		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.gs	Method	GENSCAN
Start	276	End	870
GI	none	Score	.59

Exons	276..404, 598..870		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.ts	Method	TBLASTX:Soybean
Start	708	End	900
GI	none	Score	214
Exons	708..872, 715..873, 733..900		

Seq. No.	39662	Seq. ID	OJ991110_05.0307.C6
Gene No.	81982	Strand	+
Start	1	End	723
Name	OJ991110_05.0307.C6.o1.np	Method	AAT/NAP
Start	1	End	723
GI	6498434	Score	42
Exons	1..22, 297..409, 691..723		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81983	Strand	+
Start	83	End	547
Name	OJ991110_05.0307.C8.o1.gp	Method	AAT/GAP
Start	83	End	547
GI	none	Score	862
Exons	83..547		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o1.np	Method	AAT/NAP
Start	1	End	2691
GI	6693020	Score	1019
Exons	1..29, 1049..1387, 1514..1861, 2251..2691		
GI Descrip.	(AC012375) T22C5.14 [Arabidopsis thaliana]		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o1.gs	Method	GENSCAN
Start	761	End	2691
GI	none	Score	.9
Exons	761..1387, 1514..1861, 2251..2691		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o2.ts	Method	TBLASTX:Soybean
Start	851	End	1288
GI	none	Score	164
Exons	851..1147, 854..1141, 873..1151, 1131..1283, 1145..1288, 1146..1286		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o1.tm	Method	TBLASTX:Maize

Start	914	End	1663
GI	none	Score	140
Exons	914..1024, 918..1043, 998..1060, 1020..1061, 1039..1296, 1058..1393, 1059..1394, 1062..1394, 1333..1395, 1514..1663, 1521..1661		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o2.gp	Method	AAT/GAP
Start	1076	End	1706
GI	uC-osflcyp071d04b1	Score	954
Exons	1076..1387, 1514..1706		
GI Descrip.	'4835767/gb|AAD30234.1|AC007202_16 1.0e-55 (AC007202) T8K14.16 [Arabidopsis thaliana]'		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o1.ts	Method	TBLASTX:Soybean
Start	1292	End	2850
GI	none	Score	110
Exons	1292..1393, 1293..1394, 1514..1861, 1521..1862, 2246..2353, 2251..2361, 2629..2691, 2648..2692, 2794..2850		

Seq. No.	39664	Seq. ID	OJ991110_05.0307.C9
Gene No.	81985	Strand	-
Start	3306	End	12049
Name	OJ991110_05.0307.C9.o2.gp	Method	AAT/GAP
Start	2660	End	3117
GI	LIB3432-059-P1-K1-D8	Score	731
Exons	2660..3117		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39664	Seq. ID	OJ991110_05.0307.C9
Gene No.	81985	Strand	-
Start	3306	End	12049
Name	OJ991110_05.0307.C9.o1.gs	Method	GENSCAN
Start	3306	End	11914
GI	none	Score	.6
Exons	3306..3370, 7715..7845, 8310..8351, 11865..11914		

Seq. No.	39664	Seq. ID	OJ991110_05.0307.C9
Gene No.	81985	Strand	-
Start	3306	End	12049
Name	OJ991110_05.0307.C9.o3.gp	Method	AAT/GAP
Start	5503	End	5992
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	5503..5576, 5960..5992		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39664	Seq. ID	OJ991110_05.0307.C9
Gene No.	81985	Strand	-
Start	3306	End	12049

Name	OJ991110_05.0307.C9.o4.gp	Method	AAT/GAP
Start	11542	End	12049
GI	5867_1.R1084	Score	127
Exons	11542..11570, 11955..12049		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	39665	Seq. ID	OJ991110_05.0307.C10
Gene No.	81986	Strand	-
Start	1517	End	2874
Name	OJ991110_05.0307.C10.o1.tm	Method	TBLASTX:Maize
Start	1514	End	2871
GI	none	Score	76
Exons	1514..1600, 1518..1598, 1893..1937, 2076..2210, 2077..2199, 2749..2835, 2751..2834, 2832..2870, 2833..2871		

Seq. No.	39665	Seq. ID	OJ991110_05.0307.C10
Gene No.	81986	Strand	-
Start	1517	End	2874
Name	OJ991110_05.0307.C10.o1.np	Method	AAT/NAP
Start	1517	End	2874
GI	3169172	Score	272
Exons	1517..1597, 1893..1938, 2077..2190, 2749..2874		
GI Descrip.	(AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81987	Strand	+
Start	654	End	4663
Name	OJ991110_05.0307.C11.o1.gs	Method	GENSCAN
Start	654	End	4663
GI	none	Score	.93
Exons	654..764, 4031..4663		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81988	Strand	+
Start	9773	End	10248
Name	OJ991110_05.0307.C11.o3.gp	Method	AAT/GAP
Start	9773	End	10248
GI	uC-osroM202024h12a1	Score	791
Exons	9773..10248		
GI Descrip.	'5231117/gb|AAD41078.1|AF141204_1 1.0e-25 (AF141204) Nramp2 [Arabidopsis thaliana]'		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81989	Strand	-
Start	2353	End	2531
Name	OJ991110_05.0307.C11.o1.gp	Method	AAT/GAP
Start	2353	End	2531
GI	15870_2.R1084	Score	290
Exons	2353..2531		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch		

branching enzyme'

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81990	Strand	-
Start	2585	End	2655
Name	OJ991110_05.0307.C11.o2.gp	Method	AAT/GAP
Start	2585	End	2655
GI	38012_1.R1084	Score	85
Exons	2585..2655		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81991	Strand	-
Start	6335	End	8900
Name	OJ991110_05.0307.C11.o2.gs	Method	GENSCAN
Start	6335	End	8900
GI	none	Score	.64
Exons	6335..6632, 6902..7027, 7854..8026, 8586..8900		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o2.tm	Method	TBLASTX:Maize
Start	839	End	4384
GI	none	Score	77
Exons	839..946, 858..938, 1080..1196, 1081..1203, 1085..1198, 3272..3376, 3273..3377, 3274..3378, 4055..4222, 4062..4223, 4244..4333, 4349..4384		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o3.ts	Method	TBLASTX:Soybean
Start	1086	End	4462
GI	none	Score	142
Exons	1086..1196, 3272..3376, 4055..4222, 4262..4462		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o2.tc	Method	TBLASTX:Cress
Start	3272	End	4462
GI	none	Score	95
Exons	3272..3349, 3338..3376, 4115..4222, 4244..4378, 4370..4462		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o1.np	Method	AAT/NAP
Start	9999	End	13016
GI	5231117	Score	1326
Exons	9999..10215, 10733..11382, 11470..11606, 12867..13016		
GI Descrip.	(AF141204) Nramp2 [Arabidopsis thaliana]		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-

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Start          10006                          End      13016
Name           OJ991110_05.0307.C11.o3.gs     Method   GENSCAN
Start          10006                          End      12976
GI             none                           Score    .74
Exons          10006..10215, 10733..11382, 11470..11606, 12867..12976

Seq. No.       39666                          Seq. ID  OJ991110_05.0307.C11
Gene No.       81992                          Strand   -
Start          10006                          End      13016
Name           OJ991110_05.0307.C11.o1.tm     Method   TBLASTX:Maize
Start          10015                          End      11329
GI             none                           Score    66
Exons          10015..10218, 10049..10222, 10760..10816, 10760..10819,
               10817..10897, 10865..11329, 10872..11327

Seq. No.       39666                          Seq. ID  OJ991110_05.0307.C11
Gene No.       81992                          Strand   -
Start          10006                          End      13016
Name           OJ991110_05.0307.C11.o1.tc     Method   TBLASTX:Cress
Start          10124                          End      11263
GI             none                           Score    69
Exons          10124..10207, 10126..10257, 10141..10251, 10745..10897,
               10746..10826, 10763..10861, 10862..11263, 10868..11236,
               10887..11261

Seq. No.       39666                          Seq. ID  OJ991110_05.0307.C11
Gene No.       81992                          Strand   -
Start          10006                          End      13016
Name           OJ991110_05.0307.C11.o1.ts     Method   TBLASTX:Soybean
Start          10865                          End      11284
GI             none                           Score    70
Exons          10865..11284, 10868..11050, 10869..11282, 11105..11284

Seq. No.       39666                          Seq. ID  OJ991110_05.0307.C11
Gene No.       81992                          Strand   -
Start          10006                          End      13016
Name           OJ991110_05.0307.C11.o1.tw     Method   TBLASTX:Wheat
Start          11249                          End      12904
GI             none                           Score    134
Exons          11249..11383, 11256..11384, 11453..11587, 11466..11585,
               12857..12904

Seq. No.       39666                          Seq. ID  OJ991110_05.0307.C11
Gene No.       81992                          Strand   -
Start          10006                          End      13016
Name           OJ991110_05.0307.C11.o2.ts     Method   TBLASTX:Soybean
Start          11285                          End      12938
GI             none                           Score    108
Exons          11285..11392, 11286..11384, 11466..11585, 11468..11605,
               11468..11587, 11508..11594, 12858..12938, 12869..12937

Seq. No.       39666                          Seq. ID  OJ991110_05.0307.C11
Gene No.       81992                          Strand   -
Start          10006                          End      13016
Name           OJ991110_05.0307.C11.o3.tm     Method   TBLASTX:Maize
Start          11330                          End      13016
GI             none                           Score    72
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Exons	11330..11392, 11334..11384, 11468..11587, 11469..11585, 12858..13016, 12869..13015		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o3.tc	Method	TBLASTX:Cress
Start	12801	End	13016
GI	none	Score	160
Exons	12801..13016, 12839..13015		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o4.gp	Method	AAT/GAP
Start	12895	End	13016
GI	428877	Score	226
Exons	12895..13016		
GI Descrip.	5231117/gb|AAD41078.1|AF141204_1 1.0e-25 (AF141204) Nramp2 [Arabidopsis thaliana]		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81993	Strand	+
Start	6260	End	6548
Name	OJ991110_05.0307.C12.o2.gp	Method	AAT/GAP
Start	6260	End	6548
GI	426253	Score	502
Exons	6260..6548		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81994	Strand	+
Start	8813	End	12767
Name	OJ991110_05.0307.C12.o3.gs	Method	GENSCAN
Start	8813	End	12349
GI	none	Score	.82
Exons	8813..9055, 9750..9956, 10629..10660, 10889..11168, 11513..11620, 11783..12036, 12220..12349		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81994	Strand	+
Start	8813	End	12767
Name	OJ991110_05.0307.C12.o4.gp	Method	AAT/GAP
Start	10961	End	12767
GI	4257_1.R1084	Score	2285
Exons	10961..11168, 11513..11620, 11783..12039, 12103..12767		
GI Descrip.	'3650033 4.0e-43 (AC005396) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81995	Strand	+
Start	13625	End	15771
Name	OJ991110_05.0307.C12.o4.gs	Method	GENSCAN
Start	13625	End	15771
GI	none	Score	.95
Exons	13625..14005, 14084..14316, 14420..14572, 14691..14724, 14835..14984, 15071..15205, 15745..15771		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81995	Strand	+
Start	13625	End	15771
Name	OJ991110_05.0307.C12.o2.np	Method	AAT/NAP
Start	13631	End	15364
GI	7438513	Score	779
Exons	13631..14005, 14084..14316, 14420..14572, 14691..14724, 14835..14984, 15071..15205, 15293..15364		
GI Descrip.	cyclin A-type (clone 59) - common tobacco gi|1064931|emb|CAA63541.1| (X92965) cyclin A-like protein [Nicotiana tabacum]		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81996	Strand	+
Start	20271	End	20410
Name	OJ991110_05.0307.C12.o6.gp	Method	AAT/GAP
Start	20271	End	20410
GI	none	Score	208
Exons	20271..20410		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81997	Strand	-
Start	1	End	67
Name	OJ991110_05.0307.C12.o1.gp	Method	AAT/GAP
Start	1	End	67
GI	none	Score	110
Exons	1..67		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81998	Strand	-
Start	978	End	7342
Name	OJ991110_05.0307.C12.o2.gs	Method	GENSCAN
Start	978	End	7342
GI	none	Score	.73
Exons	978..1110, 2439..2565, 4739..4811, 5795..5888, 6658..6717, 7290..7342		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81998	Strand	-
Start	978	End	7342
Name	OJ991110_05.0307.C12.o1.np	Method	AAT/NAP
Start	2279	End	4065
GI	7228450	Score	164
Exons	2279..2390, 2493..2608, 2752..2818, 4042..4065		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81999	Strand	-
Start	9748	End	9966
Name	OJ991110_05.0307.C12.o3.gp	Method	AAT/GAP
Start	9748	End	9966
GI	uC-osflM202037a02b1	Score	381
Exons	9748..9966		
GI Descrip.	'3650033 2.0e-24 (AC005396) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12

```
Gene No.    82000                            Strand   -
Start       16832                            End      17467
Name        OJ991110_05.0307.C12.o2.tm       Method   TBLASTX:Maize
Start       9743                             End      12206
GI          none                             Score    111
Exons       9743..9868, 9752..9880, 9762..9881, 9870..9968, 9883..9960,
            9908..9964, 10887..10985, 10888..10992, 11100..11168,
            11510..11623, 11510..11599, 11512..11625, 11527..11649,
            11776..11931, 11777..11947, 11780..11947, 11939..12037,
            11939..12037, 11961..12029, 12099..12206, 12111..12197,
            12118..12204

Seq. No.    39667                            Seq. ID  OJ991110_05.0307.C12
Gene No.    82000                            Strand   -
Start       16832                            End      17467
Name        OJ991110_05.0307.C12.o2.ts       Method   TBLASTX:Soybean
Start       9752                             End      12197
GI          none                             Score    150
Exons       9752..9880, 9768..9881, 9775..9924, 9870..9959, 9883..9960,
            11494..11628, 11510..11656, 11510..11674, 11776..11931,
            11777..11959, 11942..12037, 12099..12197, 12120..12197

Seq. No.    39667                            Seq. ID  OJ991110_05.0307.C12
Gene No.    82000                            Strand   -
Start       16832                            End      17467
Name        OJ991110_05.0307.C12.o2.tc       Method   TBLASTX:Cress
Start       9758                             End      12203
GI          none                             Score    156
Exons       9758..9880, 9765..9881, 9793..9918, 9814..9921, 9870..9959,
            9883..9960, 11510..11623, 11527..11649, 11776..11877,
            11777..11881, 11936..12037, 12099..12203, 12111..12182

Seq. No.    39667                            Seq. ID  OJ991110_05.0307.C12
Gene No.    82000                            Strand   -
Start       16832                            End      17467
Name        OJ991110_05.0307.C12.o1.tw       Method   TBLASTX:Wheat
Start       11074                            End      11971
GI          none                             Score    112
Exons       11074..11169, 11077..11166, 11497..11649, 11510..11626,
            11512..11637, 11513..11650, 11775..11933, 11776..11931,
            11777..11947, 11783..11947, 11942..11971

Seq. No.    39667                            Seq. ID  OJ991110_05.0307.C12
Gene No.    82000                            Strand   -
Start       16832                            End      17467
Name        OJ991110_05.0307.C12.o1.ts       Method   TBLASTX:Soybean
Start       13958                            End      15205
GI          none                             Score    54
Exons       13958..14011, 14081..14311, 14420..14572, 14421..14573,
            14448..14576, 14850..14984, 14909..14983, 15092..15205,
            15105..15125

Seq. No.    39667                            Seq. ID  OJ991110_05.0307.C12
Gene No.    82000                            Strand   -
Start       16832                            End      17467
Name        OJ991110_05.0307.C12.o1.tc       Method   TBLASTX:Cress
Start       14087                            End      15205
```

GI	none	Score	218
Exons	14087..14311, 14421..14573, 14850..14984, 14909..14983, 15080..15205, 15082..15195		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o4.tm	Method	TBLASTX:Maize
Start	14087	End	14311
GI	none	Score	213
Exons	14087..14311		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	14417	End	15418
GI	none	Score	169
Exons	14417..14572, 14419..14568, 14421..14573, 14421..14594, 14665..14733, 14685..14732, 14832..14984, 14836..15009, 14837..14983, 14838..14984, 15067..15204, 15073..15204, 15077..15205, 15290..15418, 15292..15417		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o3.tm	Method	TBLASTX:Maize
Start	16832	End	17341
GI	none	Score	48
Exons	16832..16870, 16836..16889, 16877..16924, 16878..16916, 17024..17215, 17025..17234, 17048..17236, 17297..17341		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o5.gs	Method	GENSCAN
Start	16832	End	17419
GI	none	Score	.99
Exons	16832..17419		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o5.gp	Method	AAT/GAP
Start	16887	End	17467
GI	LIB3434-044-P1-K1-F2	Score	1077
Exons	16887..17467		
GI Descrip.	'1362021/pir||S55887 1.0e-14 zink finger protein 7 - Arabidopsis thaliana >gi_790685 (L39650) zinc finger protein [Arabidopsis thaliana] >gi_2213609 (AC000103) F21J9.3 [Arabidopsis thaliana]'		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o3.np	Method	AAT/NAP
Start	17059	End	17407
GI	1362015	Score	147

Exons	17059..17407
GI Descrip.	zinc finger protein 1 - Arabidopsis thaliana gi|2129779|pir||S71240 zinc finger protein 1 - Arabidopsis thaliana gi|790673 (L39644) zinc finger protein [Arabidopsis thaliana] gi|1297186 (U53501) zinc finger protein 1 [Arabidopsis thaliana] gi|6503285|gb|AAF14661.1|AC011713_9 (AC011713) Identical to gi|S55881 zinc finger protein 1 from Arabidopsis thaliana.

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82001	Strand	+
Start	71	End	476
Name	OJ991110_05.0307.C13.o1.gs	Method	GENSCAN
Start	71	End	476
GI	none	Score	.96
Exons	71..476		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82002	Strand	+
Start	8392	End	18995
Name	OJ991110_05.0307.C13.o4.gs	Method	GENSCAN
Start	8392	End	18995
GI	none	Score	.57
Exons	8392..8438, 9780..10001, 10053..10156, 11198..11228, 12092..12218, 12694..12954, 12979..13152, 13187..13498, 13509..13797, 13897..13988, 14264..14476, 14627..16469, 16622..16755, 16792..18657, 18804..18995		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82002	Strand	+
Start	8392	End	18995
Name	OJ991110_05.0307.C13.o1.np	Method	AAT/NAP
Start	14792	End	18979
GI	7489805	Score	2860
Exons	14792..18519, 18794..18979		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82003	Strand	-
Start	4311	End	6325
Name	OJ991110_05.0307.C13.o3.gs	Method	GENSCAN
Start	4311	End	6325
GI	none	Score	.75
Exons	4311..5015, 5396..6325		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o1.tc	Method	TBLASTX:Cress
Start	4326	End	6076
GI	none	Score	43
Exons	4326..4943, 4386..4460, 4573..4938, 4818..4970, 5396..5494, 5909..6076		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-

Start	19062	End	23182
Name	OJ991110_05.0307.C13.o1.ts	Method	TBLASTX:Soybean
Start	4329	End	4956
GI	none	Score	156
Exons	4329..4541, 4573..4956, 4578..4946		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o2.tm	Method	TBLASTX:Maize
Start	4329	End	4956
GI	none	Score	156
Exons	4329..4541, 4573..4956, 4578..4946		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o5.tw	Method	TBLASTX:Wheat
Start	4638	End	5572
GI	none	Score	176
Exons	4638..4937, 4639..4926, 4695..4931, 5402..5503, 5492..5572		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o5.tm	Method	TBLASTX:Maize
Start	5393	End	5681
GI	none	Score	68
Exons	5393..5515, 5403..5471, 5498..5680, 5544..5681		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o6.tw	Method	TBLASTX:Wheat
Start	15035	End	15394
GI	none	Score	81
Exons	15035..15166, 15173..15394, 15217..15393		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o2.tw	Method	TBLASTX:Wheat
Start	15599	End	15952
GI	none	Score	356
Exons	15599..15952, 15817..15951, 15842..15928		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o4.ts	Method	TBLASTX:Soybean
Start	15638	End	16003
GI	none	Score	120
Exons	15638..15862, 15869..16003		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182

Name	OJ991110_05.0307.C13.o1.tm	Method	TBLASTX:Maize
Start	15727	End	16084
GI	none	Score	421
Exons	15727..16083, 15728..16084, 15785..16084		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o1.tw	Method	TBLASTX:Wheat
Start	15953	End	16372
GI	none	Score	479
Exons	15953..16372, 15955..16122, 15965..16363, 16156..16371		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o4.tm	Method	TBLASTX:Maize
Start	16112	End	16495
GI	none	Score	363
Exons	16112..16495, 16133..16384, 16222..16482		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o2.ts	Method	TBLASTX:Soybean
Start	16214	End	16561
GI	none	Score	225
Exons	16214..16561, 16264..16407		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o8.tw	Method	TBLASTX:Wheat
Start	16654	End	16863
GI	none	Score	182
Exons	16654..16809, 16657..16863, 16677..16859		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o3.tw	Method	TBLASTX:Wheat
Start	16863	End	17295
GI	none	Score	309
Exons	16863..17294, 16864..17295		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o6.tm	Method	TBLASTX:Maize
Start	17482	End	17748
GI	none	Score	237
Exons	17482..17748, 17589..17747		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o4.tw	Method	TBLASTX:Wheat

Start	17590	End	17979
GI	none	Score	266
Exons	17590..17979, 17634..17801, 17856..17897		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o3.tm	Method	TBLASTX:Maize
Start	17749	End	18126
GI	none	Score	379
Exons	17749..18111, 17841..18110, 17935..18126		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o3.ts	Method	TBLASTX:Soybean
Start	17752	End	18126
GI	none	Score	93
Exons	17752..17895, 17781..17894, 17901..18119, 17902..18126		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o7.tw	Method	TBLASTX:Wheat
Start	18097	End	18387
GI	none	Score	94
Exons	18097..18216, 18241..18387		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o7.tm	Method	TBLASTX:Maize
Start	18142	End	18405
GI	none	Score	189
Exons	18142..18405		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o5.gs	Method	GENSCAN
Start	19062	End	23182
GI	none	Score	.72
Exons	19062..19091, 19127..19621, 19654..19798, 19893..19983, 20046..20121, 20194..20601, 20760..20945, 21060..21202, 21364..21528, 23111..23182		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82005	Strand	+
Start	9716	End	10217
Name	OJ991110_05.0307.C14.o1.gp	Method	AAT/GAP
Start	9716	End	10217
GI	919_1.R1084	Score	953
Exons	9716..10217		
GI Descrip.	'4768972/gb|AAD29699.1|AF140486_1 5.0e-56 (AF140486) cytochrome P450 [Oryza sativa]'		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14

Gene No.	82006	Strand	+
Start	17008	End	20023
Name	OJ991110_05.0307.C14.o4.np	Method	AAT/NAP
Start	17008	End	18807
GI	7487484	Score	327
Exons	17008..17231, 17339..17506, 18215..18278, 18566..18807		
GI Descrip.	hypothetical protein T27I1.11 - Arabidopsis thaliana gi|3540190|gb|AAC34340.1| (AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82006	Strand	+
Start	17008	End	20023
Name	OJ991110_05.0307.C14.o5.gs	Method	GENSCAN
Start	17008	End	19694
GI	none	Score	.42
Exons	17008..17243, 17351..17506, 18215..18278, 18629..18775, 19506..19694		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82006	Strand	+
Start	17008	End	20023
Name	OJ991110_05.0307.C14.o5.np	Method	AAT/NAP
Start	19503	End	20023
GI	1076334	Score	211
Exons	19503..19688, 19872..20023		
GI Descrip.	hypothetical protein HYP1 - Arabidopsis thaliana gi|499168|emb|CAA56145| (X79707) HYP1 [Arabidopsis thaliana]		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82007	Strand	-
Start	151	End	1321
Name	OJ991110_05.0307.C14.o1.gs	Method	GENSCAN
Start	151	End	1321
GI	none	Score	.61
Exons	151..199, 633..946, 951..1096, 1132..1321		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82008	Strand	-
Start	6049	End	7761
Name	OJ991110_05.0307.C14.o3.gs	Method	GENSCAN
Start	6049	End	7761
GI	none	Score	.99
Exons	6049..7761		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82008	Strand	-
Start	6049	End	7761
Name	OJ991110_05.0307.C14.o1.np	Method	AAT/NAP
Start	6052	End	7593
GI	7430662	Score	949
Exons	6052..6783, 6811..7593		
GI Descrip.	cytochrome P450 homolog F6G17.10 - Arabidopsis thaliana gi|4468802|emb|CAB38203.1| (AL035601) cytochrome p450-like protein [Arabidopsis thaliana] gi|7270718|emb|CAB80401.1| (AL161591) cytochrome p450-like protein [Arabidopsis thaliana]		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o1.tc	Method	TBLASTX:Cress
Start	6061	End	11833
GI	none	Score	63
Exons	6061..6279, 6080..6232, 6320..6616, 6328..6765, 6979..7080, 7114..7359, 7336..7443, 7435..7497, 9841..10035, 9842..10024, 10063..10413, 10109..10447, 11531..11701, 11774..11833		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o1.tm	Method	TBLASTX:Maize
Start	6061	End	10431
GI	none	Score	114
Exons	6061..6279, 6319..6684, 6320..6625, 9818..10024, 9841..10035, 10066..10431, 10109..10429		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o1.ts	Method	TBLASTX:Soybean
Start	6163	End	11839
GI	none	Score	123
Exons	6163..6279, 6325..6705, 6329..6628, 6823..7005, 7114..7404, 7465..7503, 9931..10035, 10039..10464, 10136..10423, 11522..11707, 11795..11839		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o1.tw	Method	TBLASTX:Wheat
Start	6388	End	10425
GI	none	Score	161
Exons	6388..6774, 6389..6628, 10126..10425, 10127..10423		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o2.tm	Method	TBLASTX:Maize
Start	6685	End	6973
GI	none	Score	135
Exons	6685..6783, 6826..6972, 6845..6973		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o3.tm	Method	TBLASTX:Maize
Start	7024	End	11840
GI	none	Score	74
Exons	7024..7239, 7240..7404, 7411..7503, 11522..11560, 11576..11701, 11780..11839, 11787..11840		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962

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Name          OJ991110_05.0307.C14.o4.gs    Method   GENSCAN
Start         9808                          End      11962
GI            none                          Score    .72
Exons         9808..10425, 11010..11457, 11562..11962

Seq. No.      39669                         Seq. ID  OJ991110_05.0307.C14
Gene No.      82009                         Strand   -
Start         9808                          End      11962
Name          OJ991110_05.0307.C14.o2.np    Method   AAT/NAP
Start         9811                          End      11962
GI            7430635                       Score    902
Exons         9811..10421, 11006..11113, 11141..11834, 11862..11962
GI Descrip.   cytochrome P450 (EC 1.14.-.-) 81B1c - Jerusalem artichoke
              gi|3059129|emb|CAA04116.1| (AJ000477) cytochrome P450
              [Helianthus tuberosus]

Seq. No.      39669                         Seq. ID  OJ991110_05.0307.C14
Gene No.      82010                         Strand
Start         18575                         End      20023
Name          OJ991110_05.0307.C14.o2.tc    Method   TBLASTX:Cress
Start         18575                         End      20023
GI            none                          Score    202
Exons         18575..18775, 18610..18771, 19869..19919, 19871..19939,
              19872..19937, 19948..20019, 19949..20023, 19955..20023

Seq. No.      39670                         Seq. ID  OJ991110_05.0307.C15
Gene No.      82011                         Strand   +
Start         1                             End      1031
Name          OJ991110_05.0307.C15.o1.np    Method   AAT/NAP
Start         1                             End      1007
GI            498707                        Score    336
Exons         1..109, 487..724, 882..1007
GI Descrip.   (X78422) HYP1 [Arabidopsis thaliana]
              gi|6714478|gb|AAF26164.1|AC008261_21 (AC008261) unknown protein
              [Arabidopsis thaliana]

Seq. No.      39670                         Seq. ID  OJ991110_05.0307.C15
Gene No.      82011                         Strand   +
Start         1                             End      1031
Name          OJ991110_05.0307.C15.o1.gs    Method   GENSCAN
Start         485                           End      1031
GI            none                          Score    .72
Exons         485..724, 882..1031

Seq. No.      39670                         Seq. ID  OJ991110_05.0307.C15
Gene No.      82012                         Strand   +
Start         6680                          End      7122
Name          OJ991110_05.0307.C15.o2.np    Method   AAT/NAP
Start         6680                          End      7122
GI            2281647                       Score    228
Exons         6680..6926, 7013..7122
GI Descrip.   (AF003104) AP2 domain containing protein RAP2.11 [Arabidopsis
              thaliana]

Seq. No.      39670                         Seq. ID  OJ991110_05.0307.C15
Gene No.      82013                         Strand   -
Start         4311                          End      4626
```

Name	OJ991110_05.0307.C15.o2.gs	Method	GENSCAN
Start	4311	End	4626
GI	none	Score	.76
Exons	4311..4346, 4624..4626		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o1.tm	Method	TBLASTX:Maize
Start	472	End	1030
GI	none	Score	229
Exons	472..720, 472..723, 476..724, 489..731, 879..1028, 881..1018, 885..1025, 926..1030		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o2.tc	Method	TBLASTX:Cress
Start	476	End	1240
GI	none	Score	175
Exons	476..607, 488..628, 490..705, 501..719, 511..720, 668..730, 879..992, 1077..1130, 1160..1240		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o2.ts	Method	TBLASTX:Soybean
Start	476	End	730
GI	none	Score	203
Exons	476..730, 488..694, 496..699		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o3.gs	Method	GENSCAN
Start	6648	End	6989
GI	none	Score	.9
Exons	6648..6989		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o1.ts	Method	TBLASTX:Soybean
Start	6744	End	6929
GI	none	Score	247
Exons	6744..6929, 6749..6928		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o2.tm	Method	TBLASTX:Maize
Start	6744	End	6854
GI	none	Score	182
Exons	6744..6854, 6746..6853		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-

Start	6648	End	6989
Name	OJ991110_05.0307.C15.o1.tc	Method	TBLASTX:Cress
Start	6749	End	6925
GI	none	Score	204
Exons	6749..6925, 6750..6923		

Seq. No.	39671	Seq. ID	OJ991110_05.0307.C16
Gene No.	82015	Strand	+
Start	59	End	632
Name	OJ991110_05.0307.C16.o1.gs	Method	GENSCAN
Start	59	End	632
GI	none	Score	.98
Exons	59..632		

Seq. No.	39671	Seq. ID	OJ991110_05.0307.C16
Gene No.	82016	Strand	-
Start	1709	End	4942
Name	OJ991110_05.0307.C16.o1.np	Method	AAT/NAP
Start	1706	End	4942
GI	4587993	Score	1424
Exons	1706..1947, 2403..2512, 2598..2791, 2877..3017, 3137..3287, 3733..4019, 4643..4942		
GI Descrip.	(AF085279) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39671	Seq. ID	OJ991110_05.0307.C16
Gene No.	82016	Strand	-
Start	1709	End	4942
Name	OJ991110_05.0307.C16.o2.gs	Method	GENSCAN
Start	1709	End	4930
GI	none	Score	.75
Exons	1709..1947, 2403..2512, 2598..2791, 2889..2979, 3733..4019, 4643..4930		

Seq. No.	39671	Seq. ID	OJ991110_05.0307.C16
Gene No.	82016	Strand	-
Start	1709	End	4942
Name	OJ991110_05.0307.C16.o1.tm	Method	TBLASTX:Maize
Start	1820	End	4832
GI	none	Score	133
Exons	1820..1936, 1823..1936, 1827..1937, 1861..1938, 2404..2439, 2437..2472, 2438..2512, 2449..2514, 2450..2512, 2451..2519, 2593..2640, 2597..2647, 2602..2640, 2623..2658, 2659..2793, 2660..2794, 2663..2794, 2667..2795, 2888..2959, 2889..2960, 2890..2958, 3128..3334, 3138..3335, 3143..3334, 3150..3335, 3154..3342, 3154..3348, 3705..4022, 3724..4020, 3747..4025, 4640..4666, 4640..4819, 4731..4832		

Seq. No.	39671	Seq. ID	OJ991110_05.0307.C16
Gene No.	82016	Strand	-
Start	1709	End	4942
Name	OJ991110_05.0307.C16.o1.ts	Method	TBLASTX:Soybean
Start	2600	End	3335
GI	none	Score	67
Exons	2600..2794, 2673..2777, 2871..2960, 2890..2955, 3128..3334, 3138..3335		

Seq. No.	39671	Seq. ID	OJ991110_05.0307.C16

Gene No.	82016	Strand	-
Start	1709	End	4942
Name	OJ991110_05.0307.C16.o1.tc	Method	TBLASTX:Cress
Start	2645	End	2961
GI	none	Score	91
Exons	2645..2794, 2670..2783, 2871..2960, 2890..2961		

Seq. No.	39672	Seq. ID	OJ991110_05.0307.C17
Gene No.	82017	Strand	+
Start	819	End	982
Name	OJ991110_05.0307.C17.o1.gs	Method	GENSCAN
Start	819	End	982
GI	none	Score	.52
Exons	819..842, 896..982		

Seq. No.	39672	Seq. ID	OJ991110_05.0307.C17
Gene No.	82018	Strand	+
Start	2749	End	4683
Name	OJ991110_05.0307.C17.o1.np	Method	AAT/NAP
Start	2749	End	4680
GI	7487145	Score	397
Exons	2749..2867, 3431..4680		
GI Descrip.	hypothetical protein T18E12.13 - Arabidopsis thaliana gi|3548810|gb|AAC34482.1| (AC005313) putative chloroplast nucleoid DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	39672	Seq. ID	OJ991110_05.0307.C17
Gene No.	82018	Strand	+
Start	2749	End	4683
Name	OJ991110_05.0307.C17.o2.gs	Method	GENSCAN
Start	3343	End	4683
GI	none	Score	.98
Exons	3343..4683		

Seq. No.	39672	Seq. ID	OJ991110_05.0307.C17
Gene No.	82018	Strand	+
Start	2749	End	4683
Name	OJ991110_05.0307.C17.o1.tm	Method	TBLASTX:Maize
Start	3436	End	3692
GI	none	Score	93
Exons	3436..3534, 3439..3531, 3606..3692, 3607..3690		

Seq. No.	39673	Seq. ID	OJ991110_05.0307.C19
Gene No.	82019	Strand	+
Start	1	End	1257
Name	OJ991110_05.0307.C19.o1.np	Method	AAT/NAP
Start	1	End	700
GI	5441880	Score	592
Exons	1..128, 219..350, 466..700		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39673	Seq. ID	OJ991110_05.0307.C19
Gene No.	82019	Strand	+
Start	1	End	1257
Name	OJ991110_05.0307.C19.o2.np	Method	AAT/NAP

Start	1	End	1003
GI	7228442	Score	265
Exons	1..128, 819..1003		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39673	Seq. ID	OJ991110_05.0307.C19
Gene No.	82019	Strand	+
Start	1	End	1257
Name	OJ991110_05.0307.C19.o1.gs	Method	GENSCAN
Start	219	End	979
GI	none	Score	.76
Exons	219..350, 414..461, 466..668, 819..979		

Seq. No.	39673	Seq. ID	OJ991110_05.0307.C19
Gene No.	82019	Strand	+
Start	1	End	1257
Name	OJ991110_05.0307.C19.o1.gp	Method	AAT/GAP
Start	804	End	1257
GI	LIB3431-045-P1-N1-A10	Score	852
Exons	804..1257		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.np	Method	AAT/NAP
Start	1	End	817
GI	6630696	Score	1309
Exons	1..817		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.tw	Method	TBLASTX:Wheat
Start	14	End	489
GI	none	Score	370
Exons	14..400, 16..399, 415..489, 416..484, 424..489		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.gs	Method	GENSCAN
Start	76	End	411
GI	none	Score	.44
Exons	76..411		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.ts	Method	TBLASTX:Soybean
Start	127	End	501

GI	none	Score	48
Exons	127..351, 221..352, 382..495, 397..501		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.tm	Method	TBLASTX:Maize
Start	346	End	693
GI	none	Score	275
Exons	346..693, 347..658		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o2.ts	Method	TBLASTX:Soybean
Start	505	End	765
GI	none	Score	76
Exons	505..684, 512..667, 685..765		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.np	Method	AAT/NAP
Start	1	End	2903
GI	2271477	Score	1431
Exons	1..326, 423..517, 640..729, 1050..1098, 1202..1340, 1485..1601, 1698..1788, 1865..2007, 2270..2384, 2700..2744, 2826..2903		
GI Descrip.	(AF009631) AP47/50p [Arabidopsis thaliana]		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	228	End	2914
GI	none	Score	76
Exons	228..317, 233..325, 234..314, 235..330, 418..546, 422..517, 636..731, 640..732, 650..736, 651..746, 1047..1100, 1047..1097, 1049..1102, 1191..1289, 1193..1288, 1194..1340, 1195..1338, 1467..1604, 1483..1602, 1696..1791, 1698..1793, 1862..2008, 1864..2007, 1878..2012, 2265..2387, 2270..2386, 2699..2752, 2700..2747, 2806..2871, 2820..2870, 2823..2906, 2824..2871, 2825..2914, 2825..2902		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	233	End	2386
GI	none	Score	151
Exons	233..325, 235..330, 415..546, 422..517, 424..525, 636..731, 638..730, 640..732, 645..746, 1047..1100, 1049..1099, 1194..1340, 1195..1338, 1204..1365, 1479..1604, 1483..1602, 1496..1615, 1696..1791, 1698..1790, 1699..1791, 1867..2007, 1877..2008, 1883..2008, 2265..2384, 2270..2386		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+

Start	1	End	10084
Name	OJ991020_06.0303.C3.o3.tm	Method	TBLASTX:Maize
Start	233	End	540
GI	none	Score	151
Exons	233..325, 233..325, 234..326, 235..330, 415..513, 417..512, 422..517, 424..540		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.gp	Method	AAT/GAP
Start	234	End	1757
GI	34884_1.R1084	Score	1083
Exons	234..326, 423..517, 640..729, 1050..1098, 1202..1340, 1485..1601, 1698..1757		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.gs	Method	GENSCAN
Start	236	End	10084
GI	none	Score	.78
Exons	236..326, 396..517, 640..729, 1050..1098, 1202..1340, 1485..1601, 1698..1788, 1865..2007, 2270..2384, 2700..2744, 2826..2899, 5001..5130, 5674..6045, 6562..6815, 6925..7033, 7532..7670, 8539..8683, 8743..8821, 9022..9055, 9735..10084		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	633	End	3283
GI	none	Score	158
Exons	633..731, 640..732, 1047..1100, 1047..1097, 1049..1111, 1194..1340, 1195..1338, 1200..1355, 1482..1604, 1483..1602, 1696..1791, 1698..1793, 1862..2008, 1864..2007, 1865..2008, 2265..2387, 2270..2386, 2271..2387, 2690..2752, 2700..2747, 2811..2906, 2823..2909, 2824..2913, 2977..3009, 2977..3006, 3018..3071, 3052..3150, 3072..3152, 3218..3283, 3237..3263		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.gp	Method	AAT/GAP
Start	1962	End	3271
GI	22570_1.R1084	Score	1185
Exons	1962..2007, 2270..2384, 2700..2744, 2826..3271		
GI Descrip.	'2245141/emb|CAB10562.1| 1.0e-17 (Z97344) acetylornithine deacetylase [Arabidopsis thaliana]'		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.tw	Method	TBLASTX:Wheat
Start	2661	End	5228

GI	none	Score	97
Exons	2661..2747, 2681..2746, 2682..2750, 2820..2918, 2820..2918, 2824..2919, 2824..2928, 2941..2964, 2980..3009, 3025..3069, 5172..5228		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o4.ts	Method	TBLASTX:Soybean
Start	2699	End	2906
GI	none	Score	78
Exons	2699..2752, 2700..2747, 2821..2901, 2823..2906, 2825..2905		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o3.gp	Method	AAT/GAP
Start	5623	End	5972
GI	5607379	Score	683
Exons	5623..5972		
GI Descrip.	2245141/emb|CAB10562.1| 1.0e-17 (Z97344) acetylornithine deacetylase [Arabidopsis thaliana]		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	5719	End	6669
GI	none	Score	390
Exons	5719..6045, 5730..5828, 5889..6047, 6562..6597, 6592..6669, 6615..6668		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	5719	End	6681
GI	none	Score	361
Exons	5719..6045, 5736..6047, 6554..6589, 6562..6597, 6598..6681, 6615..6680		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.np	Method	AAT/NAP
Start	5827	End	9406
GI	5738376	Score	1298
Exons	5827..6045, 6562..6815, 6925..7033, 7532..7670, 7785..7842, 8561..8683, 8785..8940, 9022..9055, 9303..9406		
GI Descrip.	(AL021889) N-acetylornithine deacetylase-like protein, fragment [Arabidopsis thaliana]		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	5875	End	6979

GI	none	Score	267
Exons	5875..6045, 5875..5937, 5880..6047, 6560..6817, 6561..6818, 6561..6818, 6924..6977, 6925..6978, 6926..6979		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	5994	End	9346
GI	none	Score	71
Exons	5994..6047, 5998..6045, 6561..6818, 6562..6816, 6925..7032, 6926..7033, 7501..7668, 7529..7669, 7530..7670, 7733..7843, 7786..7848, 7787..7843, 8478..8621, 8624..8683, 8625..8684, 8780..8848, 8783..8881, 8818..8940, 8848..8940, 8850..8942, 8985..9056, 9007..9057, 9018..9056, 9281..9346, 9301..9345		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o3.ts	Method	TBLASTX:Soybean
Start	6697	End	8672
GI	none	Score	88
Exons	6697..6816, 6708..6818, 6714..6818, 6913..7020, 6926..7033, 6928..7026, 7529..7669, 7531..7668, 7534..7671, 7786..7875, 7787..7864, 8478..8672, 8558..8671		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o4.gp	Method	AAT/GAP
Start	7624	End	9521
GI	11461_1.R1084	Score	1126
Exons	7624..7670, 7785..7842, 8561..8683, 8785..8940, 9022..9055, 9303..9521		
GI Descrip.	'2245141/emb|CAB10562.1| 1.0e-17 (Z97344) acetylornithine deacetylase [Arabidopsis thaliana]'		

Seq. No.	39676	Seq. ID	OJ991020_06.0303.C5
Gene No.	82022	Strand	+
Start	317	End	664
Name	OJ991020_06.0303.C5.o1.gs	Method	GENSCAN
Start	317	End	664
GI	none	Score	.73
Exons	317..387, 433..664		

Seq. No.	39676	Seq. ID	OJ991020_06.0303.C5
Gene No.	82023	Strand	-
Start	2884	End	3026
Name	OJ991020_06.0303.C5.o2.gs	Method	GENSCAN
Start	2884	End	3026
GI	none	Score	.97
Exons	2884..3026		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82024	Strand	+
Start	6397	End	10727
Name	OJ991020_06.0303.C7.o2.np	Method	AAT/NAP

Start	6397	End	10727
GI	6815053	Score	709
Exons	6397..6553, 10318..10463, 10490..10727		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82025	Strand	-
Start	427	End	5117
Name	OJ991020_06.0303.C7.o1.gs	Method	GENSCAN
Start	427	End	5117
GI	none	Score	.63
Exons	427..462, 1069..1244, 1334..1388, 1492..1792, 2266..2293, 2469..2591, 2607..2805, 3178..3290, 3375..3397, 5014..5117		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82025	Strand	-
Start	427	End	5117
Name	OJ991020_06.0303.C7.o1.np	Method	AAT/NAP
Start	1053	End	1758
GI	6671365	Score	523
Exons	1053..1244, 1334..1388, 1492..1758		
GI Descrip.	(AF216497) P-glycoprotein [Gossypium hirsutum]		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82026	Strand	-
Start	6722	End	6814
Name	OJ991020_06.0303.C7.o1.gp	Method	AAT/GAP
Start	6722	End	6814
GI	uC-osflcyp088b12b1	Score	128
Exons	6722..6814		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82027	Strand	-
Start	8219	End	12687
Name	OJ991020_06.0303.C7.o1.tc	Method	TBLASTX:Cress
Start	1054	End	1681
GI	none	Score	220
Exons	1054..1245, 1067..1246, 1338..1391, 1339..1389, 1492..1680, 1493..1681		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82027	Strand	-
Start	8219	End	12687
Name	OJ991020_06.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	1162	End	1687
GI	none	Score	123
Exons	1162..1245, 1163..1246, 1282..1389, 1315..1401, 1317..1391, 1492..1686, 1493..1687		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82027	Strand	-
Start	8219	End	12687
Name	OJ991020_06.0303.C7.o3.gs	Method	GENSCAN
Start	8219	End	12687
GI	none	Score	.8

Exons	8219..8393, 8511..8751, 9230..9419, 10362..10505, 11562..11595, 12279..12418, 12496..12687		

Seq. No.	39678	Seq. ID	OJ991020_06.0303.C8
Gene No.	82028	Strand	+
Start	95	End	489
Name	OJ991020_06.0303.C8.o1.gs	Method	GENSCAN
Start	95	End	489
GI	none	Score	.87
Exons	95..130, 201..310, 402..489		

Seq. No.	39679	Seq. ID	OJ991020_06.0303.C10
Gene No.	82029	Strand	+
Start	257	End	711
Name	OJ991020_06.0303.C10.o1.gs	Method	GENSCAN
Start	257	End	711
GI	none	Score	.49
Exons	257..367, 569..711		

Seq. No.	39679	Seq. ID	OJ991020_06.0303.C10
Gene No.	82030	Strand	-
Start	1	End	719
Name	OJ991020_06.0303.C10.o1.np	Method	AAT/NAP
Start	1	End	719
GI	7508879	Score	95
Exons	1..58, 264..719		
GI Descrip.	hypothetical protein W03D2.1 - Caenorhabditis elegans gi|1947160|gb|AAC48255.1| (AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	39680	Seq. ID	OJ991020_06.0303.C11
Gene No.	82031	Strand	-
Start	2217	End	2381
Name	OJ991020_06.0303.C11.o1.gs	Method	GENSCAN
Start	2217	End	2381
GI	none	Score	.61
Exons	2217..2381		

Seq. No.	39681	Seq. ID	OJ991020_06.0303.C12
Gene No.	82032	Strand	+
Start	29	End	545
Name	OJ991020_06.0303.C12.o1.gs	Method	GENSCAN
Start	29	End	545
GI	none	Score	.63
Exons	29..91, 130..303, 330..545		

Seq. No.	39681	Seq. ID	OJ991020_06.0303.C12
Gene No.	82033	Strand	-
Start	2794	End	2911
Name	OJ991020_06.0303.C12.o2.gs	Method	GENSCAN
Start	2794	End	2911
GI	none	Score	.58
Exons	2794..2911		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027

Name	OJ991020_06.0303.C13.o1.np	Method	AAT/NAP
Start	897	End	4135
GI	5852093	Score	67
Exons	897..948, 2231..2413, 3705..3728, 4044..4135		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027
Name	OJ991020_06.0303.C13.o2.np	Method	AAT/NAP
Start	3013	End	4577
GI	7485764	Score	315
Exons	3013..3041, 3270..3499, 3931..4101, 4321..4577		
GI Descrip.	hypothetical protein F19D11.9 - Arabidopsis thaliana gi|3510255|gb|AAC33499.1| (AC005310) unknown protein [Arabidopsis thaliana]		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027
Name	OJ991020_06.0303.C13.o2.gs	Method	GENSCAN
Start	3137	End	5027
GI	none	Score	.83
Exons	3137..3499, 3931..4515, 4848..5027		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027
Name	OJ991020_06.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	4188	End	4518
GI	none	Score	74
Exons	4188..4223, 4189..4224, 4329..4460, 4330..4518, 4336..4518		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027
Name	OJ991020_06.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	4318	End	4518
GI	none	Score	209
Exons	4318..4518, 4332..4463, 4402..4518		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82035	Strand	+
Start	499	End	672
Name	OJ991020_06.0303.C14.o1.gs	Method	GENSCAN
Start	499	End	672
GI	none	Score	.67
Exons	499..672		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82036	Strand	+
Start	2508	End	2749
Name	OJ991020_06.0303.C14.o1.np	Method	AAT/NAP
Start	2508	End	2749
GI	7340881	Score	94
Exons	2508..2749		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82037	Strand	-
Start	1308	End	1437
Name	OJ991020_06.0303.C14.o1.gp	Method	AAT/GAP
Start	1308	End	1437
GI	none	Score	204
Exons	1308..1437		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82038	Strand	-
Start	1473	End	1932
Name	OJ991020_06.0303.C14.o2.gp	Method	AAT/GAP
Start	1473	End	1932
GI	none	Score	739
Exons	1473..1932		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82038	Strand	-
Start	1473	End	1932
Name	OJ991020_06.0303.C14.o3.gp	Method	AAT/GAP
Start	1473	End	1932
GI	none	Score	741
Exons	1473..1932		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82039	Strand	+
Start	125	End	412
Name	OJ991020_06.0303.C15.o1.gs	Method	GENSCAN
Start	125	End	412
GI	none	Score	.65
Exons	125..412		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82040	Strand	+
Start	1198	End	11348
Name	OJ991020_06.0303.C15.o2.gs	Method	GENSCAN
Start	1198	End	3994
GI	none	Score	.89
Exons	1198..1254, 2546..3139, 3183..3332, 3761..3994		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82040	Strand	+
Start	1198	End	11348
Name	OJ991020_06.0303.C15.o1.np	Method	AAT/NAP
Start	3761	End	11345
GI	4680179	Score	7472
Exons	3761..3982, 7008..11345		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82040	Strand	+
Start	1198	End	11348
Name	OJ991020_06.0303.C15.o4.gs	Method	GENSCAN
Start	8240	End	11348
GI	none	Score	.46
Exons	8240..8616, 8632..9052, 9062..9247, 9304..9802, 10096..10560,		

10594..11348

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82041	Strand	-
Start	4741	End	7741
Name	OJ991020_06.0303.C15.o3.gs	Method	GENSCAN
Start	4741	End	7741
GI	none	Score	.74
Exons	4741..4946, 5001..5227, 6129..6228, 6656..6791, 7438..7502, 7663..7741		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82041	Strand	-
Start	4741	End	7741
Name	OJ991020_06.0303.C15.o7.tw	Method	TBLASTX:Wheat
Start	7053	End	7394
GI	none	Score	278
Exons	7053..7391, 7056..7394		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82042	Strand	
Start	7931	End	8347
Name	OJ991020_06.0303.C15.o8.tw	Method	TBLASTX:Wheat
Start	7931	End	8347
GI	none	Score	144
Exons	7931..8125, 7981..8079, 8165..8347, 8191..8346		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82043	Strand	
Start	8510	End	9408
Name	OJ991020_06.0303.C15.o3.tw	Method	TBLASTX:Wheat
Start	8510	End	8992
GI	none	Score	525
Exons	8510..8992, 8614..8949, 8621..8989		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82043	Strand	
Start	8510	End	9408
Name	OJ991020_06.0303.C15.o4.tm	Method	TBLASTX:Maize
Start	8579	End	9046
GI	none	Score	366
Exons	8579..9046, 8666..9013		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82043	Strand	
Start	8510	End	9408
Name	OJ991020_06.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	8933	End	9327
GI	none	Score	57
Exons	8933..8965, 8933..8977, 8965..9012, 8969..9196, 8973..9041, 9085..9195, 9153..9326, 9169..9327		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82043	Strand	
Start	8510	End	9408
Name	OJ991020_06.0303.C15.o6.tw	Method	TBLASTX:Wheat
Start	9041	End	9342

GI none Score 176
Exons 9041..9196, 9042..9143, 9079..9195, 9153..9341, 9168..9335, 9169..9342

Seq. No. 39684 Seq. ID OJ991020_06.0303.C15
Gene No. 82043 Strand
Start 8510 End 9408
Name OJ991020_06.0303.C15.o5.tm Method TBLASTX:Maize
Start 9153 End 9408
GI none Score 223
Exons 9153..9407, 9196..9408

Seq. No. 39684 Seq. ID OJ991020_06.0303.C15
Gene No. 82044 Strand
Start 9343 End 9852
Name OJ991020_06.0303.C15.o2.tw Method TBLASTX:Wheat
Start 9343 End 9852
GI none Score 609
Exons 9343..9852, 9345..9686, 9421..9753, 9729..9761

Seq. No. 39684 Seq. ID OJ991020_06.0303.C15
Gene No. 82044 Strand
Start 9343 End 9852
Name OJ991020_06.0303.C15.o3.ts Method TBLASTX:Soybean
Start 9349 End 9594
GI none Score 193
Exons 9349..9594

Seq. No. 39684 Seq. ID OJ991020_06.0303.C15
Gene No. 82044 Strand
Start 9343 End 9852
Name OJ991020_06.0303.C15.o2.tm Method TBLASTX:Maize
Start 9415 End 9780
GI none Score 468
Exons 9415..9768, 9417..9683, 9468..9773, 9469..9780

Seq. No. 39684 Seq. ID OJ991020_06.0303.C15
Gene No. 82045 Strand
Start 9946 End 11335
Name OJ991020_06.0303.C15.o4.tw Method TBLASTX:Wheat
Start 9946 End 10334
GI none Score 57
Exons 9946..9996, 9959..10018, 10011..10334, 10079..10333

Seq. No. 39684 Seq. ID OJ991020_06.0303.C15
Gene No. 82045 Strand
Start 9946 End 11335
Name OJ991020_06.0303.C15.o2.ts Method TBLASTX:Soybean
Start 10122 End 10382
GI none Score 288
Exons 10122..10382, 10127..10381

Seq. No. 39684 Seq. ID OJ991020_06.0303.C15
Gene No. 82045 Strand
Start 9946 End 11335
Name OJ991020_06.0303.C15.o3.tm Method TBLASTX:Maize
Start 10181 End 10472

GI	none	Score	380
Exons	10181..10465, 10182..10472, 10326..10466		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	10341	End	10967
GI	none	Score	688
Exons	10341..10967, 10343..10966		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	10521	End	11120
GI	none	Score	217
Exons	10521..10682, 10529..10675, 10680..11120, 10682..11107		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o5.tw	Method	TBLASTX:Wheat
Start	10968	End	11335
GI	none	Score	364
Exons	10968..11300, 10995..11075, 11060..11176, 11282..11335		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o6.tm	Method	TBLASTX:Maize
Start	11124	End	11321
GI	none	Score	197
Exons	11124..11321		

Seq. No.	39685	Seq. ID	OJ991020_06.0303.C16
Gene No.	82046	Strand	-
Start	275	End	1043
Name	OJ991020_06.0303.C16.o1.np	Method	AAT/NAP
Start	275	End	1043
GI	5295955	Score	721
Exons	275..858, 898..1043		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	39685	Seq. ID	OJ991020_06.0303.C16
Gene No.	82046	Strand	-
Start	275	End	1043
Name	OJ991020_06.0303.C16.o1.gs	Method	GENSCAN
Start	419	End	1010
GI	none	Score	.67
Exons	419..1010		

Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82047	Strand	+
Start	902	End	2698
Name	OJ991020_06.0303.C17.o1.gs	Method	GENSCAN

Start	902	End	2665
GI	none	Score	.71
Exons	902..950, 1311..1347, 1531..1669, 2070..2243, 2286..2377, 2422..2665		

Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82047	Strand	+
Start	902	End	2698
Name	OJ991020_06.0303.C17.o1.np	Method	AAT/NAP
Start	1841	End	2698
GI	7340881	Score	542
Exons	1841..1923, 2070..2193, 2286..2384, 2442..2698		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82048	Strand	+
Start	3494	End	4080
Name	OJ991020_06.0303.C17.o3.np	Method	AAT/NAP
Start	3494	End	4080
GI	6721561	Score	95
Exons	3494..3585, 4058..4080		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82049	Strand	-
Start	2900	End	3016
Name	OJ991020_06.0303.C17.o2.gs	Method	GENSCAN
Start	2900	End	3016
GI	none	Score	.42
Exons	2900..3016		

Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82050	Strand	-
Start	3372	End	3523
Name	OJ991020_06.0303.C17.o2.np	Method	AAT/NAP
Start	3372	End	3523
GI	4680183	Score	123
Exons	3372..3523		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39687	Seq. ID	OJ991020_06.0303.C18
Gene No.	82051	Strand	+
Start	1	End	2533
Name	OJ991020_06.0303.C18.o1.np	Method	AAT/NAP
Start	1	End	2533
GI	5917666	Score	80
Exons	1..88, 1179..1350, 2084..2533		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	39687	Seq. ID	OJ991020_06.0303.C18
Gene No.	82051	Strand	+
Start	1	End	2533
Name	OJ991020_06.0303.C18.o2.gp	Method	AAT/GAP

Start	2251	End	2521
GI	2311084	Score	503
Exons	2251..2521		

Seq. No.	39687	Seq. ID	OJ991020_06.0303.C18
Gene No.	82052	Strand	-
Start	1	End	2621
Name	OJ991020_06.0303.C18.o1.gp	Method	AAT/GAP
Start	1	End	269
GI	none	Score	385
Exons	1..269		

Seq. No.	39687	Seq. ID	OJ991020_06.0303.C18
Gene No.	82052	Strand	-
Start	1	End	2621
Name	OJ991020_06.0303.C18.o1.gs	Method	GENSCAN
Start	33	End	2621
GI	none	Score	.71
Exons	33..166, 220..297, 881..1077, 1137..1168, 1313..1483, 2538..2621		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82053	Strand	+
Start	120	End	1961
Name	OJ991020_06.0303.C19.o1.gp	Method	AAT/GAP
Start	120	End	1390
GI	none	Score	908
Exons	120..260, 932..1037, 1146..1390		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82053	Strand	+
Start	120	End	1961
Name	OJ991020_06.0303.C19.o1.gs	Method	GENSCAN
Start	998	End	1649
GI	none	Score	.7
Exons	998..1000, 1521..1649		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82053	Strand	+
Start	120	End	1961
Name	OJ991020_06.0303.C19.o2.gp	Method	AAT/GAP
Start	1523	End	1961
GI	5002888	Score	628
Exons	1523..1961		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82054	Strand	-
Start	5847	End	6155
Name	OJ991020_06.0303.C19.o3.gp	Method	AAT/GAP
Start	5847	End	6155
GI	428437	Score	600
Exons	5847..6155		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82055	Strand	-
Start	6540	End	7390
Name	OJ991020_06.0303.C19.o1.np	Method	AAT/NAP
Start	6540	End	7390

GI	6017119	Score	521
Exons	6540..7390		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82056	Strand	-
Start	9998	End	10138
Name	OJ991020_06.0303.C19.o2.tm	Method	TBLASTX:Maize
Start	6365	End	6836
GI	none	Score	45
Exons	6365..6388, 6367..6390, 6396..6476, 6398..6433, 6402..6539, 6403..6546, 6403..6495, 6443..6556, 6513..6659, 6542..6607, 6624..6683, 6683..6742, 6697..6723, 6698..6724, 6707..6835, 6732..6836		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82056	Strand	-
Start	9998	End	10138
Name	OJ991020_06.0303.C19.o1.ts	Method	TBLASTX:Soybean
Start	6686	End	7000
GI	none	Score	133
Exons	6686..7000, 6747..6968		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82056	Strand	-
Start	9998	End	10138
Name	OJ991020_06.0303.C19.o1.tc	Method	TBLASTX:Cress
Start	6782	End	7000
GI	none	Score	74
Exons	6782..7000, 6789..6926		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82056	Strand	-
Start	9998	End	10138
Name	OJ991020_06.0303.C19.o1.tm	Method	TBLASTX:Maize
Start	6896	End	7343
GI	none	Score	92
Exons	6896..7030, 6912..7028, 6914..7036, 7028..7198, 7100..7201, 7101..7244, 7242..7343, 7247..7342		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82056	Strand	-
Start	9998	End	10138
Name	OJ991020_06.0303.C19.o2.tc	Method	TBLASTX:Cress
Start	7124	End	7355
GI	none	Score	88
Exons	7124..7201, 7125..7226, 7221..7355, 7274..7354		

Seq. No.	39688	Seq. ID	OJ991020_06.0303.C19
Gene No.	82056	Strand	-
Start	9998	End	10138
Name	OJ991020_06.0303.C19.o3.gs	Method	GENSCAN
Start	9998	End	10138
GI	none	Score	.62
Exons	9998..10138		

Seq. No.	39689	Seq. ID	OJ991020_06.0303.C20

Gene No.	82057	Strand	+
Start	4234	End	4347
Name	OJ991020_06.0303.C20.o1.gp	Method	AAT/GAP
Start	4234	End	4347
GI	LIB3477-003-P1-K1-E9	Score	146
Exons	4234..4347		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82058	Strand	+
Start	1022	End	2921
Name	OJ991020_06.0303.C21.o1.gs	Method	GENSCAN
Start	1022	End	2921
GI	none	Score	.7
Exons	1022..1060, 1775..1916, 2138..2296, 2609..2921		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82059	Strand	+
Start	2906	End	3569
Name	OJ991020_06.0303.C21.o1.gp	Method	AAT/GAP
Start	2906	End	3569
GI	none	Score	1226
Exons	2906..3569		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82060	Strand	-
Start	3367	End	5512
Name	OJ991020_06.0303.C21.o2.gs	Method	GENSCAN
Start	3367	End	4415
GI	none	Score	.65
Exons	3367..3972, 4070..4276, 4365..4415		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82060	Strand	-
Start	3367	End	5512
Name	OJ991020_06.0303.C21.o1.np	Method	AAT/NAP
Start	3370	End	5512
GI	6714272	Score	676
Exons	3370..3591, 3754..3972, 4070..4255, 5474..5512		
GI Descrip.	(AC017118) F6N18.8 [Arabidopsis thaliana]		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82060	Strand	-
Start	3367	End	5512
Name	OJ991020_06.0303.C21.o2.gp	Method	AAT/GAP
Start	3834	End	4535
GI	12230_2.R1084	Score	975
Exons	3834..3972, 4070..4276, 4365..4535		
GI Descrip.	'2894599/emb|CAA17133.1| 3.0e-45 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o1.tc	Method	TBLASTX:Cress

Start	3337	End	5844
GI	none	Score	218
Exons	3337..3408, 3391..3459, 3754..3975, 3758..3973, 3818..3976, 3844..3975, 4067..4255, 4122..4259, 5728..5844		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	3367	End	4419
GI	none	Score	79
Exons	3367..3432, 3368..3412, 3415..3570, 3446..3550, 3634..3687, 3635..3688, 3754..3975, 3758..3973, 3844..3975, 4067..4267, 4119..4268, 4369..4419		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o1.ts	Method	TBLASTX:Soybean
Start	3367	End	5844
GI	none	Score	258
Exons	3367..3459, 3418..3477, 3754..3975, 3758..3973, 3841..3975, 3878..3976, 4067..4246, 4122..4271, 5728..5844		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o1.tw	Method	TBLASTX:Wheat
Start	3838	End	4268
GI	none	Score	186
Exons	3838..3975, 3839..3973, 3841..3975, 4067..4267, 4119..4268		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o3.gs	Method	GENSCAN
Start	5574	End	10032
GI	none	Score	.71
Exons	5574..5618, 5627..5784, 5893..6059, 9892..10032		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82062	Strand	+
Start	642	End	6044
Name	OJ991020_06.0303.C24.o1.np	Method	AAT/NAP
Start	642	End	6026
GI	6671365	Score	3995
Exons	642..768, 2227..2427, 2523..2782, 2872..3798, 3890..4550, 4627..4874, 4965..5377, 5479..6026		
GI Descrip.	(AF216497) P-glycoprotein [Gossypium hirsutum]		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82062	Strand	+
Start	642	End	6044
Name	OJ991020_06.0303.C24.o1.gs	Method	GENSCAN
Start	1018	End	6044
GI	none	Score	.89
Exons	1018..1023, 2227..2514, 2523..2782, 2872..3798, 3890..4550,		

4627..4874, 4965..5377, 5479..5699, 5757..6044

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82062	Strand	+
Start	642	End	6044
Name	OJ991020_06.0303.C24.o1.gp	Method	AAT/GAP
Start	4486	End	5068
GI	uC-osflcyp179c11b1	Score	722
Exons	4486..4550, 4627..4874, 4965..5068		
GI Descrip.	'2108252/emb|CAA71277| 2.0e-54 (Y10228) P-glycoprotein-2 [Arabidopsis thaliana] >gi_2108254_emb_CAA71276_ (Y10227) P-glycoprotein-2 [Arabidopsis thaliana] >gi_4538925_emb_CAB39661.1_ (AL049483) P-glycoprotein-2 (pgp2) [Arabidopsis thaliana]'		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82063	Strand	-
Start	5861	End	6294
Name	OJ991020_06.0303.C24.o2.gp	Method	AAT/GAP
Start	5861	End	6294
GI	uC-osflcyp179c11a1	Score	824
Exons	5861..6294		
GI Descrip.	'2108252/emb|CAA71277| 1.0e-11 (Y10228) P-glycoprotein-2 [Arabidopsis thaliana] >gi_2108254_emb_CAA71276_ (Y10227) P-glycoprotein-2 [Arabidopsis thaliana] >gi_4538925_emb_CAB39661.1_ (AL049483) P-glycoprotein-2 (pgp2) [Arabidopsis thaliana]'		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o1.tc	Method	TBLASTX:Cress
Start	2224	End	6002
GI	none	Score	305
Exons	2224..2430, 2226..2315, 2382..2429, 2520..2783, 2522..2614, 2654..2836, 2744..2788, 2872..3717, 2873..3802, 2996..3745, 3004..3294, 3086..3319, 3140..3757, 3352..3696, 3873..3920, 3887..3922, 4002..4550, 4014..4388, 4031..4549, 4485..4553, 4617..4871, 4621..4875, 4624..4875, 4663..4875, 4951..5223, 4966..5379, 5155..5379, 5217..5378, 5217..5378, 5468..5698, 5474..5581, 5478..6002, 5478..6002, 5648..5701, 5738..6001, 5744..5983		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o1.ts	Method	TBLASTX:Soybean
Start	2227	End	5576
GI	none	Score	106
Exons	2227..2442, 2912..3304, 2914..3114, 3169..3297, 4254..4529, 4624..4875, 4954..5145, 5134..5379, 5478..5576		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o1.tm	Method	TBLASTX:Maize
Start	2987	End	5687

GI	none	Score	311
Exons	2987..3415, 3004..3294, 3101..3328, 3276..3326, 4532..4549, 4532..4549, 4621..4875, 4624..4875, 4626..4913, 4956..5024, 4959..5378, 4966..5379, 5478..5687, 5478..5666		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o2.ts	Method	TBLASTX:Soybean
Start	3388	End	6002
GI	none	Score	406
Exons	3388..3696, 3389..3748, 5661..6002, 5663..6001		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o1.tw	Method	TBLASTX:Wheat
Start	3407	End	5930
GI	none	Score	317
Exons	3407..3658, 3415..3654, 5679..5930, 5687..5926		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o2.tm	Method	TBLASTX:Maize
Start	3415	End	6002
GI	none	Score	384
Exons	3415..3693, 3416..3772, 3419..3760, 5687..6001, 5688..6002, 5886..6002		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o3.tm	Method	TBLASTX:Maize
Start	4140	End	4484
GI	none	Score	212
Exons	4140..4484, 4233..4343, 4373..4483		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o3.np	Method	AAT/NAP
Start	6893	End	9413
GI	114521	Score	198
Exons	6893..6918, 9152..9413		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi|67827|pir||PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast gi|11979|emb|CAA33993| (X15901) ATPase alpha subunit [Oryza sativa] gi|226696|prf||1603356X ATPase alpha [Oryza sativa]		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o2.gs	Method	GENSCAN
Start	7202	End	9473
GI	none	Score	.8
Exons	7202..7252, 7389..7625, 7861..8079, 9345..9473		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o2.np	Method	AAT/NAP
Start	7486	End	9222
GI	7452044	Score	50
Exons	7486..7913, 9201..9222		
GI Descrip.	hypothetical protein F27B13.20 - Arabidopsis thaliana gi|4914402|emb|CAB43653.1| (AL050352) hypothetical protein [Arabidopsis thaliana] gi|7269877|emb|CAB79736.1| (AL161575) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o4.tm	Method	TBLASTX:Maize
Start	7500	End	7687
GI	none	Score	87
Exons	7500..7604, 7501..7560, 7624..7686, 7634..7687		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82065	Strand	+
Start	2978	End	5188
Name	OJ991020_06.0303.C25.o1.np	Method	AAT/NAP
Start	2912	End	5146
GI	7485060	Score	816
Exons	2912..3138, 4328..4598, 4767..4937, 5024..5146		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245138|emb|CAB10559.1| (Z97344) hypothetical protein [Arabidopsis thaliana] gi|7268532|emb|CAB78782.1| (AL161547) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82065	Strand	+
Start	2978	End	5188
Name	OJ991020_06.0303.C25.o2.gs	Method	GENSCAN
Start	2978	End	5188
GI	none	Score	.87
Exons	2978..3138, 4328..4598, 4767..4937, 5024..5188		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o1.tm	Method	TBLASTX:Maize
Start	2995	End	5262
GI	none	Score	140
Exons	2995..3138, 2996..3139, 4320..4439, 4332..4589, 4333..4446, 4343..4600, 4376..4600, 4512..4601, 4764..4937, 4766..4936, 4774..4938, 5018..5152, 5023..5148, 5024..5176, 5224..5262		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o1.ts	Method	TBLASTX:Soybean
Start	3005	End	5166
GI	none	Score	100

Exons	3005..3136, 4320..4439, 4339..4455, 4343..4600, 4376..4588, 4761..4937, 4764..4934, 4766..4936, 4775..4939, 5018..5143, 5023..5166, 5023..5157		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o1.tc	Method	TBLASTX:Cress
Start	4430	End	4937
GI	none	Score	116
Exons	4430..4588, 4512..4601, 4739..4933, 4764..4937		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o3.gs	Method	GENSCAN
Start	5857	End	6914
GI	none	Score	.85
Exons	5857..5923, 6215..6473, 6790..6914		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o1.gp	Method	AAT/GAP
Start	5954	End	6911
GI	4714975	Score	1160
Exons	5954..6473, 6790..6911		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	2312174	Score	153
Exons	1..84		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o1.np	Method	AAT/NAP
Start	1	End	1500
GI	7487780	Score	444
Exons	1..217, 298..633, 707..879, 1168..1269, 1371..1500		
GI Descrip.	hypothetical protein T6K21.70 - Arabidopsis thaliana gi|2894598|emb|CAA17132.1| (AL021889) putative protein [Arabidopsis thaliana] gi|7268541|emb|CAB78791.1| (AL161547) putative protein [Arabidopsis thaliana]		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o2.gp	Method	AAT/GAP
Start	91	End	615
GI	4714974	Score	831
Exons	91..214, 298..615		
GI Descrip.	2894598/emb|CAA17132.1| 2.0e-33 (AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o1.tm	Method	TBLASTX:Maize
Start	92	End	877
GI	none	Score	62
Exons	92..187, 170..235, 307..390, 310..372, 382..588, 391..627, 704..877		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o1.gs	Method	GENSCAN
Start	95	End	7379
GI	none	Score	.66
Exons	95..214, 298..633, 1193..1278, 1380..1500, 1952..2029, 2071..2163, 2853..2963, 3247..3330, 3987..4178, 6628..6788, 7373..7379		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82068	Strand	+
Start	534	End	3088
Name	OJ991020_06.0303.C27.o1.gp	Method	AAT/GAP
Start	534	End	3088
GI	15624_1.R1084	Score	1343
Exons	534..767, 2118..2195, 2274..2349, 2505..2578, 2666..2736, 2866..3088		
GI Descrip.	'1169369/sp|P30725|DNAJ_CLOAB 5.0e-16 DNAJ PROTEIN >gi_541427_pir__S41758 heat shock protein dnaJ - Clostridium acetobutylicum >gi_433079_emb_CAA48792_ (X69050) DnaJ [Clostridium acetobutylicum]'		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82068	Strand	+
Start	534	End	3088
Name	OJ991020_06.0303.C27.o1.gs	Method	GENSCAN
Start	625	End	2740
GI	none	Score	.71
Exons	625..767, 2115..2195, 2274..2349, 2505..2578, 2666..2740		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82068	Strand	+
Start	534	End	3088
Name	OJ991020_06.0303.C27.o1.np	Method	AAT/NAP
Start	2106	End	2559
GI	1169369	Score	108
Exons	2106..2195, 2274..2349, 2505..2559		
GI Descrip.	DNAJ PROTEIN gi|541427|pir||S41758 heat shock protein dnaJ - Clostridium acetobutylicum gi|433079|emb|CAA48792| (X69050) DnaJ [Clostridium acetobutylicum]		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82069	Strand	+
Start	4407	End	4523
Name	OJ991020_06.0303.C27.o2.gp	Method	AAT/GAP
Start	4407	End	4523

GI	LIB3431-045-P1-N1-A10	Score	189
Exons	4407..4523		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-
Start	4071	End	15836
Name	OJ991020_06.0303.C27.o1.ts	Method	TBLASTX:Soybean
Start	2115	End	2695
GI	none	Score	114
Exons	2115..2195, 2116..2205, 2276..2347, 2277..2345, 2498..2578, 2666..2695		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-
Start	4071	End	15836
Name	OJ991020_06.0303.C27.o2.gs	Method	GENSCAN
Start	4071	End	5821
GI	none	Score	.78
Exons	4071..4193, 5333..5410, 5477..5635, 5819..5821		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-
Start	4071	End	15836
Name	OJ991020_06.0303.C27.o2.np	Method	AAT/NAP
Start	4902	End	15836
GI	7228438	Score	3594
Exons	4902..5162, 5333..5635, 6878..6943, 7101..7283, 7376..7634, 7711..8009, 8101..8511, 8596..8694, 10208..10513, 15792..15836		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-
Start	4071	End	15836
Name	OJ991020_06.0303.C27.o3.gs	Method	GENSCAN
Start	6048	End	12075
GI	none	Score	.71
Exons	6048..6208, 6359..6561, 6566..6613, 6677..6787, 7050..7131, 7163..7283, 7376..7634, 7711..8009, 8101..8511, 8686..8932, 9038..9188, 9628..9923, 10125..10353, 11256..11362, 11930..12075		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-
Start	4071	End	15836
Name	OJ991020_06.0303.C27.o3.gp	Method	AAT/GAP
Start	7384	End	7883
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	7384..7634, 7711..7883		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-

Start	4071	End	15836
Name	OJ991020_06.0303.C27.o3.np	Method	AAT/NAP
Start	10692	End	11007
GI	6721543	Score	99
Exons	10692..10803, 10878..11007		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-
Start	4071	End	15836
Name	OJ991020_06.0303.C27.o4.gp	Method	AAT/GAP
Start	10844	End	10993
GI	7406_1.R1084	Score	209
Exons	10844..10993		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-
Start	4071	End	15836
Name	OJ991020_06.0303.C27.o4.np	Method	AAT/NAP
Start	13218	End	13835
GI	3668085	Score	126
Exons	13218..13316, 13350..13835		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39695	Seq. ID	OJ991020_06.0303.C28
Gene No.	82071	Strand	+
Start	174	End	1935
Name	OJ991020_06.0303.C28.o1.np	Method	AAT/NAP
Start	174	End	1935
GI	6721512	Score	84
Exons	174..223, 1729..1880, 1908..1935		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	39695	Seq. ID	OJ991020_06.0303.C28
Gene No.	82072	Strand	-
Start	50	End	1817
Name	OJ991020_06.0303.C28.o1.gs	Method	GENSCAN
Start	50	End	1817
GI	none	Score	.84
Exons	50..509, 1027..1060, 1772..1817		

Seq. No.	39696	Seq. ID	OJ991020_06.0303.C29
Gene No.	82073	Strand	+
Start	144	End	262
Name	OJ991020_06.0303.C29.o1.gs	Method	GENSCAN
Start	144	End	262
GI	none	Score	.92
Exons	144..262		

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.np	Method	AAT/NAP
Start	1	End	1017
GI	4416302	Score	531

Exons	1..837, 986..1017		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.tw	Method	TBLASTX:Wheat
Start	15	End	560
GI	none	Score	110
Exons	15..245, 284..475, 397..423, 497..559, 504..560		

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.gs	Method	GENSCAN
Start	299	End	990
GI	none	Score	.59
Exons	299..410, 896..990		

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.tm	Method	TBLASTX:Maize
Start	305	End	836
GI	none	Score	116
Exons	305..478, 391..423, 504..716, 506..715, 711..836		

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	413	End	836
GI	none	Score	50
Exons	413..475, 504..698, 504..590, 506..706, 735..836		

Seq. No.	39698	Seq. ID	OJ991110_06.0330.C2
Gene No.	82075	Strand	+
Start	1	End	703
Name	OJ991110_06.0330.C2.o1.np	Method	AAT/NAP
Start	1	End	703
GI	4416302	Score	656
Exons	1..703		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	39698	Seq. ID	OJ991110_06.0330.C2
Gene No.	82076	Strand	+
Start	1834	End	7648
Name	OJ991110_06.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	39	End	666
GI	none	Score	191
Exons	39..233, 47..229, 240..353, 241..360, 354..581, 355..639, 460..666		

Seq. No.	39698	Seq. ID	OJ991110_06.0330.C2
Gene No.	82076	Strand	+
Start	1834	End	7648
Name	OJ991110_06.0330.C2.o1.ts	Method	TBLASTX:Soybean

Start	69	End	636
GI	none	Score	103
Exons	69..242, 241..357, 451..636		

Seq. No.	39698	Seq. ID	OJ991110_06.0330.C2
Gene No.	82076	Strand	+
Start	1834	End	7648
Name	OJ991110_06.0330.C2.o1.gs	Method	GENSCAN
Start	1834	End	7648
GI	none	Score	.52
Exons	1834..1849, 2579..2803, 3944..4074, 4462..4978, 5138..5256, 5258..5392, 7451..7648		

Seq. No.	39699	Seq. ID	OJ991110_06.0330.C3
Gene No.	82077	Strand	+
Start	65	End	2341
Name	OJ991110_06.0330.C3.o1.gs	Method	GENSCAN
Start	65	End	2341
GI	none	Score	.7
Exons	65..264, 654..880, 2229..2341		

Seq. No.	39699	Seq. ID	OJ991110_06.0330.C3
Gene No.	82078	Strand	+
Start	4638	End	11032
Name	OJ991110_06.0330.C3.o2.gs	Method	GENSCAN
Start	4638	End	10422
GI	none	Score	.75
Exons	4638..4799, 5792..5969, 6378..6459, 6696..6816, 8958..9260, 9343..10422		

Seq. No.	39699	Seq. ID	OJ991110_06.0330.C3
Gene No.	82078	Strand	+
Start	4638	End	11032
Name	OJ991110_06.0330.C3.o1.np	Method	AAT/NAP
Start	8773	End	11032
GI	7228448	Score	78
Exons	8773..8874, 9074..9148, 9190..9311, 9367..9529, 11012..11032		
GI Descrip.	(AP001366) ESTs AU068685(C30691),AU068684(C30691) correspond to a region of the predicted gene.; Similar to Genomic sequence for Arabidopsis thaliana BAC F21J9, F21J9.24. (AC000103) [Oryza sativa]		

Seq. No.	39699	Seq. ID	OJ991110_06.0330.C3
Gene No.	82079	Strand	+
Start	16022	End	18437
Name	OJ991110_06.0330.C3.o3.gs	Method	GENSCAN
Start	16022	End	18437
GI	none	Score	.59
Exons	16022..16149, 16410..16432, 16950..17019, 17174..17330, 17859..17959, 18159..18229, 18306..18437		

Seq. No.	39699	Seq. ID	OJ991110_06.0330.C3
Gene No.	82080	Strand	-
Start	14982	End	18497
Name	OJ991110_06.0330.C3.o2.np	Method	AAT/NAP
Start	14982	End	18497
GI	4206200	Score	119

Exons	14982..15023, 16156..16495, 18428..18497		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82081	Strand	+
Start	2674	End	7036
Name	OJ991110_06.0330.C4.o2.gs	Method	GENSCAN
Start	2674	End	7036
GI	none	Score	.75
Exons	2674..2737, 2742..2794, 3766..4080, 4138..4636, 4724..4920, 4941..5077, 5266..5361, 5427..5691, 5775..5996, 6053..6208, 6461..6613, 6920..7036		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o5.np	Method	AAT/NAP
Start	1	End	19052
GI	7106516	Score	177
Exons	1..78, 11936..11986, 13682..13859, 18989..19052		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o1.gs	Method	GENSCAN
Start	7	End	1936
GI	none	Score	.66
Exons	7..90, 310..408, 709..1241, 1336..1936		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o3.tm	Method	TBLASTX:Maize
Start	805	End	19770
GI	none	Score	64
Exons	805..912, 809..904, 916..972, 917..976, 994..1050, 998..1042, 1046..1078, 1096..1209, 1097..1207, 19516..19641, 19520..19633, 19645..19770, 19646..19768		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o5.tm	Method	TBLASTX:Maize
Start	1511	End	1805
GI	none	Score	102
Exons	1511..1603, 1512..1601, 1517..1603, 1546..1608, 1667..1735, 1673..1729, 1708..1800, 1739..1798, 1740..1805		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o3.gs	Method	GENSCAN
Start	7939	End	12926
GI	none	Score	.5
Exons	7939..8473, 8499..8721, 8941..9021, 9111..9229, 9549..9835, 9908..10189, 10308..10733, 10747..10825, 10899..11080,		

11259..11480, 11706..11897, 12020..12263, 12520..12926

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o3.np	Method	AAT/NAP
Start	7942	End	10699
GI	7489805	Score	1276
Exons	7942..9795, 10659..10699		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	8513	End	8881
GI	none	Score	70
Exons	8513..8881, 8519..8626, 8520..8789		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o2.tw	Method	TBLASTX:Wheat
Start	8651	End	9040
GI	none	Score	232
Exons	8651..9040		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o4.tm	Method	TBLASTX:Maize
Start	8882	End	9103
GI	none	Score	73
Exons	8882..9103, 8883..9050		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o3.tw	Method	TBLASTX:Wheat
Start	9503	End	9776
GI	none	Score	125
Exons	9503..9775, 9504..9776		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o2.tm	Method	TBLASTX:Maize
Start	9756	End	10031
GI	none	Score	208
Exons	9756..10031, 9770..10027		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	9777	End	10105

GI	none	Score	169
Exons	9777..10046, 9779..10105		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o5.tw	Method	TBLASTX:Wheat
Start	10299	End	10658
GI	none	Score	93
Exons	10299..10475, 10300..10521, 10527..10658		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o4.tw	Method	TBLASTX:Wheat
Start	11451	End	11795
GI	none	Score	58
Exons	11451..11795, 11521..11697		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o1.gp	Method	AAT/GAP
Start	16903	End	17364
GI	LIB3432-059-P1-K1-D8	Score	733
Exons	16903..17364		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o4.gs	Method	GENSCAN
Start	17503	End	19818
GI	none	Score	.48
Exons	17503..17697, 19426..19818		

Seq. No.	39701	Seq. ID	OJ991110_06.0330.C5
Gene No.	82083	Strand	+
Start	1607	End	1720
Name	OJ991110_06.0330.C5.o1.gs	Method	GENSCAN
Start	1607	End	1720
GI	none	Score	.58
Exons	1607..1720		

Seq. No.	39701	Seq. ID	OJ991110_06.0330.C5
Gene No.	82084	Strand	-
Start	1794	End	2021
Name	OJ991110_06.0330.C5.o1.np	Method	AAT/NAP
Start	1794	End	2021
GI	5042454	Score	66
Exons	1794..1859, 2001..2021		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82085	Strand	+
Start	809	End	2458

Name	OJ991110_06.0330.C6.o1.gs	Method	GENSCAN
Start	809	End	2458
GI	none	Score	.96
Exons	809..2458		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82086	Strand	+
Start	9085	End	10372
Name	OJ991110_06.0330.C6.o3.np	Method	AAT/NAP
Start	9085	End	10372
GI	7523512	Score	104
Exons	9085..9126, 10234..10372		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82087	Strand	+
Start	12771	End	17167
Name	OJ991110_06.0330.C6.o4.gs	Method	GENSCAN
Start	12771	End	17167
GI	none	Score	.65
Exons	12771..12909, 12935..13008, 14011..14066, 14302..14482, 15941..16206, 16462..16606, 16704..16832, 16871..16954, 17024..17167		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82088	Strand	-
Start	3101	End	9256
Name	OJ991110_06.0330.C6.o2.gs	Method	GENSCAN
Start	3101	End	6766
GI	none	Score	.95
Exons	3101..6766		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82088	Strand	-
Start	3101	End	9256
Name	OJ991110_06.0330.C6.o1.np	Method	AAT/NAP
Start	3104	End	9256
GI	7228457	Score	9330
Exons	3104..4654, 4721..5872, 5995..6829, 6893..8828, 8890..9256		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82088	Strand	-
Start	3101	End	9256
Name	OJ991110_06.0330.C6.o3.gs	Method	GENSCAN
Start	6830	End	9256
GI	none	Score	.82
Exons	6830..9256		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o6.tw	Method	TBLASTX:Wheat
Start	3113	End	3715
GI	none	Score	75

Exons	3113..3238, 3117..3239, 3377..3715, 3432..3710		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o4.tw	Method	TBLASTX:Wheat
Start	3716	End	4097
GI	none	Score	171
Exons	3716..4096, 3747..3995, 3755..4093, 4041..4097		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o3.tm	Method	TBLASTX:Maize
Start	3911	End	4234
GI	none	Score	196
Exons	3911..4234, 3924..4205		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o8.tw	Method	TBLASTX:Wheat
Start	4427	End	4739
GI	none	Score	67
Exons	4427..4687, 4563..4739		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o2.ts	Method	TBLASTX:Soybean
Start	4487	End	5053
GI	5666795	Score	68
Exons	4487..4687, 4742..4879, 4955..5053		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o7.tw	Method	TBLASTX:Wheat
Start	4742	End	5176
GI	none	Score	39
Exons	4742..4774, 4826..4891, 4827..4880, 4829..4882, 4925..5176, 4935..5111, 4952..5161		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	4776	End	6822
GI	none	Score	381
Exons	4776..4823, 6359..6820, 6360..6821, 6634..6822		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	5801	End	6172

GI	none	Score	274
Exons	5801..6172		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o2.tw	Method	TBLASTX:Wheat
Start	5826	End	6251
GI	none	Score	319
Exons	5826..6251, 5831..6250		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	5924	End	6308
GI	none	Score	231
Exons	5924..6307, 5943..6308		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	6335	End	6691
GI	none	Score	130
Exons	6335..6640, 6335..6691, 6345..6656		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o3.tw	Method	TBLASTX:Wheat
Start	7013	End	7472
GI	none	Score	171
Exons	7013..7471, 7017..7277, 7335..7472		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o5.tw	Method	TBLASTX:Wheat
Start	8210	End	8602
GI	none	Score	92
Exons	8210..8467, 8244..8483, 8450..8548, 8451..8543, 8555..8602		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o4.tm	Method	TBLASTX:Maize
Start	8312	End	8597
GI	none	Score	107
Exons	8312..8560, 8313..8597		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o2.np	Method	AAT/NAP
Start	9487	End	16157
GI	5042454	Score	260

Exons	9487..9540, 9773..9965, 10498..10567, 12614..12949, 16012..16157		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o4.np	Method	AAT/NAP
Start	12752	End	16158
GI	6681183	Score	72
Exons	12752..12959, 15085..15303, 16071..16158		
GI Descrip.	diaphanous homolog 1 (Drosophila) gi|6014968|sp|O08808|DIA1_MOUSE DIAPHANOUS PROTEIN HOMOLOG 1 (P140MDIA) gi|2114473 (U96963) p140mDia [Mus musculus]		

Seq. No.	39703	Seq. ID	OJ991110_06.0330.C7
Gene No.	82090	Strand	+
Start	73	End	150
Name	OJ991110_06.0330.C7.o1.gs	Method	GENSCAN
Start	73	End	150
GI	none	Score	.43
Exons	73..150		

Seq. No.	39703	Seq. ID	OJ991110_06.0330.C7
Gene No.	82091	Strand	+
Start	752	End	2041
Name	OJ991110_06.0330.C7.o1.np	Method	AAT/NAP
Start	752	End	2041
GI	6907089	Score	1959
Exons	752..2041		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39703	Seq. ID	OJ991110_06.0330.C7
Gene No.	82091	Strand	+
Start	752	End	2041
Name	OJ991110_06.0330.C7.o2.gs	Method	GENSCAN
Start	752	End	1972
GI	none	Score	.87
Exons	752..1972		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82092	Strand	+
Start	85	End	6075
Name	OJ991110_06.0330.C8.o1.gs	Method	GENSCAN
Start	85	End	6075
GI	none	Score	.64
Exons	85..945, 1638..1764, 3149..3271, 3701..3946, 3995..4128, 4486..4729, 4779..4901, 5166..5210, 5288..6075		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82093	Strand	+
Start	12948	End	15395
Name	OJ991110_06.0330.C8.o2.np	Method	AAT/NAP
Start	12948	End	15395
GI	5922623	Score	379
Exons	12948..13028, 13398..13545, 13713..13788, 15258..15395		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82094	Strand	-
Start	6719	End	12871
Name	OJ991110_06.0330.C8.o1.np	Method	AAT/NAP
Start	6719	End	12871
GI	7228457	Score	9194
Exons	6719..8269, 8336..9487, 9610..10444, 10508..12443, 12505..12871		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o8.tw	Method	TBLASTX:Wheat
Start	3247	End	3895
GI	none	Score	90
Exons	3247..3426, 3278..3430, 3451..3741, 3827..3895		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o3.ts	Method	TBLASTX:Soybean
Start	3265	End	3639
GI	none	Score	107
Exons	3265..3450, 3445..3639		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o5.tm	Method	TBLASTX:Maize
Start	6713	End	6859
GI	none	Score	115
Exons	6713..6859, 6738..6854		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o7.tw	Method	TBLASTX:Wheat
Start	6728	End	7330
GI	none	Score	75
Exons	6728..6853, 6741..6854, 7046..7330, 7047..7325		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o4.tw	Method	TBLASTX:Wheat
Start	7331	End	7712
GI	none	Score	154
Exons	7331..7711, 7362..7610, 7656..7712		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o2.tm	Method	TBLASTX:Maize

Start	7526	End	7849
GI	none	Score	192
Exons	7526..7849, 7539..7820		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o9.tw	Method	TBLASTX:Wheat
Start	8042	End	8354
GI	none	Score	67
Exons	8042..8302, 8178..8354		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o2.ts	Method	TBLASTX:Soybean
Start	8102	End	8668
GI	5666795	Score	68
Exons	8102..8302, 8357..8494, 8570..8668		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o5.tw	Method	TBLASTX:Wheat
Start	8357	End	8791
GI	none	Score	87
Exons	8357..8506, 8358..8495, 8553..8726, 8567..8791, 8567..8791		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o1.ts	Method	TBLASTX:Soybean
Start	9416	End	9787
GI	none	Score	90
Exons	9416..9787, 9627..9770		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o2.tw	Method	TBLASTX:Wheat
Start	9441	End	9865
GI	none	Score	331
Exons	9441..9860, 9446..9865		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o3.tm	Method	TBLASTX:Maize
Start	9539	End	9923
GI	none	Score	221
Exons	9539..9922, 9558..9923		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o1.tm	Method	TBLASTX:Maize

Start	9950	End	10306
GI	none	Score	109
Exons	9950..10255, 9950..10306, 9960..10280		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o1.tw	Method	TBLASTX:Wheat
Start	9974	End	10437
GI	none	Score	400
Exons	9974..10435, 9975..10436, 9994..10437		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o3.tw	Method	TBLASTX:Wheat
Start	10601	End	11087
GI	none	Score	172
Exons	10601..11086, 10605..10892, 10914..11087		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o6.tw	Method	TBLASTX:Wheat
Start	11825	End	12217
GI	none	Score	89
Exons	11825..12082, 11859..12098, 12065..12163, 12066..12146, 12170..12217		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o4.tm	Method	TBLASTX:Maize
Start	11927	End	12212
GI	none	Score	103
Exons	11927..12175, 11928..12212		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o3.np	Method	AAT/NAP
Start	16527	End	16830
GI	4505323	Score	105
Exons	16527..16830		
GI Descrip.	Wiskott-Aldrich syndrome-like gi|2116984|dbj|BAA20128| (D88460) N-WASP [Homo sapiens]		

Seq. No.	39705	Seq. ID	OJ991110_06.0330.C10
Gene No.	82096	Strand	+
Start	1	End	437
Name	OJ991110_06.0330.C10.o2.np	Method	AAT/NAP
Start	1	End	437
GI	4680183	Score	124
Exons	1..26, 346..437		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39705	Seq. ID	OJ991110_06.0330.C10

Gene No.	82097	Strand	-
Start	224	End	315
Name	OJ991110_06.0330.C10.o1.np	Method	AAT/NAP
Start	224	End	315
GI	6721561	Score	98
Exons	224..315		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o1.np	Method	AAT/NAP
Start	1	End	1766
GI	2443320	Score	2420
Exons	1..1766		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o1.gs	Method	GENSCAN
Start	15	End	1655
GI	none	Score	.75
Exons	15..31, 153..421, 595..1655		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o2.tw	Method	TBLASTX:Wheat
Start	644	End	1100
GI	none	Score	74
Exons	644..889, 676..891, 680..958, 681..893, 891..1100, 903..1097		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o2.ts	Method	TBLASTX:Soybean
Start	954	End	1337
GI	none	Score	82
Exons	954..1088, 1113..1337, 1137..1259		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	1113	End	1764
GI	none	Score	704
Exons	1113..1637, 1129..1638, 1129..1599, 1139..1636, 1622..1660, 1669..1764		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766

Name	OJ991110_06.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	1119	End	1559
GI	none	Score	279
Exons	1119..1559		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o1.ts	Method	TBLASTX:Soybean
Start	1347	End	1746
GI	none	Score	193
Exons	1347..1574, 1349..1573, 1575..1637, 1672..1746		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82099	Strand	+
Start	1	End	3558
Name	OJ991110_06.0330.C12.o1.np	Method	AAT/NAP
Start	1	End	1531
GI	2443320	Score	2230
Exons	1..1531		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82099	Strand	+
Start	1	End	3558
Name	OJ991110_06.0330.C12.o1.gs	Method	GENSCAN
Start	25	End	330
GI	none	Score	.88
Exons	25..330		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82099	Strand	+
Start	1	End	3558
Name	OJ991110_06.0330.C12.o2.gs	Method	GENSCAN
Start	845	End	3558
GI	none	Score	.46
Exons	845..1144, 1157..1399, 2688..2764, 2830..3374, 3401..3558		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82100	Strand	+
Start	12024	End	12586
Name	OJ991110_06.0330.C12.o2.np	Method	AAT/NAP
Start	12024	End	12586
GI	6907092	Score	470
Exons	12024..12291, 12326..12386, 12450..12586		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-
Start	12045	End	12569
Name	OJ991110_06.0330.C12.o3.tw	Method	TBLASTX:Wheat
Start	1	End	170
GI	none	Score	196
Exons	1..165, 1..165, 18..170		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-

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Start         12045                      End       12569
Name          OJ991110_06.0330.C12.o1.ts Method    TBLASTX:Soybean
Start         43                         End       483
GI            5509260                    Score     363
Exons         43..483, 96..305, 333..470
GI Descrip.   -

Seq. No.      39707                      Seq. ID   OJ991110_06.0330.C12
Gene No.      82101                      Strand    -
Start         12045                      End       12569
Name          OJ991110_06.0330.C12.o1.tc Method    TBLASTX:Cress
Start         132                        End       396
GI            none                       Score     220
Exons         132..269, 133..396

Seq. No.      39707                      Seq. ID   OJ991110_06.0330.C12
Gene No.      82101                      Strand    -
Start         12045                      End       12569
Name          OJ991110_06.0330.C12.o1.tw Method    TBLASTX:Wheat
Start         171                        End       931
GI            none                       Score     440
Exons         171..503, 172..504, 502..621, 503..664, 509..709, 630..791,
              650..793, 660..791, 661..792, 767..931, 769..930

Seq. No.      39707                      Seq. ID   OJ991110_06.0330.C12
Gene No.      82101                      Strand    -
Start         12045                      End       12569
Name          OJ991110_06.0330.C12.o1.tm Method    TBLASTX:Maize
Start         177                        End       604
GI            none                       Score     277
Exons         177..311, 196..483, 333..470, 506..604

Seq. No.      39707                      Seq. ID   OJ991110_06.0330.C12
Gene No.      82101                      Strand    -
Start         12045                      End       12569
Name          OJ991110_06.0330.C12.o2.tm Method    TBLASTX:Maize
Start         893                        End       1658
GI            none                       Score     171
Exons         893..1267, 1286..1480, 1575..1658

Seq. No.      39707                      Seq. ID   OJ991110_06.0330.C12
Gene No.      82101                      Strand    -
Start         12045                      End       12569
Name          OJ991110_06.0330.C12.o2.ts Method    TBLASTX:Soybean
Start         902                        End       1396
GI            none                       Score     202
Exons         902..1264, 1096..1251, 1292..1396

Seq. No.      39707                      Seq. ID   OJ991110_06.0330.C12
Gene No.      82101                      Strand    -
Start         12045                      End       12569
Name          OJ991110_06.0330.C12.o2.tw Method    TBLASTX:Wheat
Start         1004                       End       1492
GI            none                       Score     527
Exons         1004..1492, 1005..1337, 1009..1491

Seq. No.      39707                      Seq. ID   OJ991110_06.0330.C12
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Gene No.	82101	Strand	-
Start	12045	End	12569
Name	OJ991110_06.0330.C12.o4.gs	Method	GENSCAN
Start	12045	End	12569
GI	none	Score	.41
Exons	12045..12242, 12253..12569		

Seq. No.	39708	Seq. ID	OJ991110_06.0330.C14
Gene No.	82102	Strand	+
Start	2197	End	2314
Name	OJ991110_06.0330.C14.o1.gs	Method	GENSCAN
Start	2197	End	2314
GI	none	Score	.64
Exons	2197..2314		

Seq. No.	39709	Seq. ID	OJ991110_06.0330.C15
Gene No.	82103	Strand	+
Start	608	End	1215
Name	OJ991110_06.0330.C15.o1.gs	Method	GENSCAN
Start	608	End	1215
GI	none	Score	.54
Exons	608..718, 1097..1215		

Seq. No.	39710	Seq. ID	OJ991110_06.0330.C17
Gene No.	82104	Strand	+
Start	560	End	1607
Name	OJ991110_06.0330.C17.o1.gs	Method	GENSCAN
Start	560	End	1607
GI	none	Score	.92
Exons	560..603, 1478..1607		

Seq. No.	39710	Seq. ID	OJ991110_06.0330.C17
Gene No.	82105	Strand	+
Start	4457	End	4651
Name	OJ991110_06.0330.C17.o2.gs	Method	GENSCAN
Start	4457	End	4651
GI	none	Score	.98
Exons	4457..4651		

Seq. No.	39710	Seq. ID	OJ991110_06.0330.C17
Gene No.	82106	Strand	+
Start	8117	End	10157
Name	OJ991110_06.0330.C17.o1.np	Method	AAT/NAP
Start	8117	End	10157
GI	7523502	Score	162
Exons	8117..8210, 8524..8654, 10121..10157		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39711	Seq. ID	OJ991110_06.0330.C23
Gene No.	82107	Strand	+
Start	181	End	508
Name	OJ991110_06.0330.C23.o1.np	Method	AAT/NAP
Start	181	End	498
GI	5091536	Score	59
Exons	181..271, 400..498		
GI Descrip.	(AC007067) T10O24.5 [Arabidopsis thaliana]		

Seq. No.	39711	Seq. ID	OJ991110_06.0330.C23
Gene No.	82107	Strand	+
Start	181	End	508
Name	OJ991110_06.0330.C23.o1.gs	Method	GENSCAN
Start	249	End	508
GI	none	Score	.96
Exons	249..271, 400..508		

Seq. No.	39712	Seq. ID	OJ991110_06.0330.C27
Gene No.	82108	Strand	+
Start	216	End	349
Name	OJ991110_06.0330.C27.o1.gs	Method	GENSCAN
Start	216	End	349
GI	none	Score	.53
Exons	216..349		

Seq. No.	39713	Seq. ID	OJ991110_06.0330.C31
Gene No.	82109	Strand	+
Start	424	End	504
Name	OJ991110_06.0330.C31.o1.gs	Method	GENSCAN
Start	424	End	504
GI	none	Score	.73
Exons	424..504		

Seq. No.	39714	Seq. ID	OJ991110_06.0330.C32
Gene No.	82110	Strand	+
Start	104	End	238
Name	OJ991110_06.0330.C32.o1.gs	Method	GENSCAN
Start	104	End	238
GI	none	Score	.54
Exons	104..238		

Seq. No.	39715	Seq. ID	OJ991110_06.0330.C33
Gene No.	82111	Strand	+
Start	374	End	512
Name	OJ991110_06.0330.C33.o1.gp	Method	AAT/GAP
Start	374	End	512
GI	5004205	Score	247
Exons	374..512		

Seq. No.	39715	Seq. ID	OJ991110_06.0330.C33
Gene No.	82112	Strand	+
Start	438	End	645
Name	OJ991110_06.0330.C33.o1.gs	Method	GENSCAN
Start	438	End	645
GI	none	Score	.68
Exons	438..512, 565..645		

Seq. No.	39716	Seq. ID	OJ991110_06.0330.C34
Gene No.	82113	Strand	+
Start	293	End	433
Name	OJ991110_06.0330.C34.o1.gs	Method	GENSCAN
Start	293	End	433
GI	none	Score	.48
Exons	293..433		

Seq. No.	39717	Seq. ID	OJ990830_11.0303.C1

Gene No.	82114	Strand	
Start	728	End	910
Name	OJ990830_11.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	728	End	910
GI	none	Score	108
Exons	728..847, 729..863, 846..896, 854..910, 857..910		

Seq. No.	39718	Seq. ID	OJ990830_11.0303.C2
Gene No.	82115	Strand	
Start	13	End	318
Name	OJ990830_11.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	13	End	318
GI	none	Score	157
Exons	13..228, 20..220, 24..227, 211..318		

Seq. No.	39719	Seq. ID	OJ990830_11.0303.C4
Gene No.	82116	Strand	
Start	215	End	638
Name	OJ990830_11.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	215	End	455
GI	none	Score	66
Exons	215..277, 287..454, 294..455		

Seq. No.	39719	Seq. ID	OJ990830_11.0303.C4
Gene No.	82116	Strand	
Start	215	End	638
Name	OJ990830_11.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	273	End	638
GI	none	Score	142
Exons	273..452, 280..456, 285..446, 287..466, 456..497, 457..510, 460..630, 537..638		

Seq. No.	39720	Seq. ID	OJ990830_11.0303.C7
Gene No.	82117	Strand	
Start	335	End	667
Name	OJ990830_11.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	335	End	667
GI	none	Score	99
Exons	335..667, 389..580		

Seq. No.	39721	Seq. ID	OJ990830_11.0303.C8
Gene No.	82118	Strand	+
Start	2353	End	3501
Name	OJ990830_11.0303.C8.o1.gp	Method	AAT/GAP
Start	2353	End	3501
GI	426500	Score	323
Exons	2353..2451, 3413..3501		

Seq. No.	39722	Seq. ID	OJ990830_11.0303.C16
Gene No.	82119	Strand	
Start	1	End	447
Name	OJ990830_11.0303.C16.o1.tc	Method	TBLASTX:Cress
Start	1	End	420
GI	none	Score	52
Exons	1..48, 3..62, 117..197, 125..184, 280..414, 280..420, 281..415		

Seq. No.	39722	Seq. ID	OJ990830_11.0303.C16

Gene No.	82119	Strand	
Start	1	End	447
Name	OJ990830_11.0303.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	447
GI	none	Score	83
Exons	1..78, 3..80, 74..184, 84..197, 87..197, 242..409, 281..307, 293..424, 295..423, 310..447		

Seq. No.	39722	Seq. ID	OJ990830_11.0303.C16
Gene No.	82119	Strand	
Start	1	End	447
Name	OJ990830_11.0303.C16.o1.ts	Method	TBLASTX:Soybean
Start	3	End	420
GI	none	Score	43
Exons	3..56, 3..62, 56..184, 105..197, 278..409, 280..420, 281..415		

Seq. No.	39723	Seq. ID	OJ990830_11.0303.C17
Gene No.	82120	Strand	
Start	63	End	457
Name	OJ990830_11.0303.C17.o1.ts	Method	TBLASTX:Soybean
Start	63	End	430
GI	none	Score	320
Exons	63..425, 77..427, 77..430		

Seq. No.	39723	Seq. ID	OJ990830_11.0303.C17
Gene No.	82120	Strand	
Start	63	End	457
Name	OJ990830_11.0303.C17.o1.tc	Method	TBLASTX:Cress
Start	77	End	425
GI	none	Score	62
Exons	77..139, 78..140, 137..286, 141..278, 314..424, 318..425		

Seq. No.	39723	Seq. ID	OJ990830_11.0303.C17
Gene No.	82120	Strand	
Start	63	End	457
Name	OJ990830_11.0303.C17.o1.tw	Method	TBLASTX:Wheat
Start	96	End	430
GI	none	Score	414
Exons	96..428, 98..430, 101..430		

Seq. No.	39723	Seq. ID	OJ990830_11.0303.C17
Gene No.	82120	Strand	
Start	63	End	457
Name	OJ990830_11.0303.C17.o1.tm	Method	TBLASTX:Maize
Start	161	End	457
GI	none	Score	284
Exons	161..457, 162..428		

Seq. No.	39724	Seq. ID	OJ990830_11.0303.C18
Gene No.	82121	Strand	-
Start	1803	End	2043
Name	OJ990830_11.0303.C18.o1.gp	Method	AAT/GAP
Start	1803	End	2043
GI	3761970	Score	454
Exons	1803..2043		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21

Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.gp	Method	AAT/GAP
Start	39	End	682
GI	305_2.R1084	Score	938
Exons	39..113, 204..682		
GI Descrip.	'4139264 1.0e-83 (AF111812) actin [Brassica napus]'		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.tw	Method	TBLASTX:Wheat
Start	41	End	530
GI	none	Score	72
Exons	41..67, 69..131, 76..117, 177..530, 201..509, 205..528		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.tc	Method	TBLASTX:Cress
Start	69	End	750
GI	none	Score	56
Exons	69..116, 69..131, 70..117, 177..749, 201..749, 205..750, 205..750		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	69	End	750
GI	none	Score	67
Exons	69..116, 69..131, 70..117, 177..749, 205..747, 208..750		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.ts	Method	TBLASTX:Soybean
Start	69	End	750
GI	none	Score	53
Exons	69..116, 69..131, 76..117, 177..749, 192..749, 205..750		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o2.tw	Method	TBLASTX:Wheat
Start	531	End	750
GI	none	Score	209
Exons	531..749, 532..750		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82123	Strand	
Start	54	End	284
Name	OJ990830_11.0303.C23.o1.tw	Method	TBLASTX:Wheat
Start	54	End	282
GI	none	Score	63
Exons	54..281, 55..171, 72..281, 220..282		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82123	Strand	
Start	54	End	284
Name	OJ990830_11.0303.C23.o2.tm	Method	TBLASTX:Maize
Start	60	End	284
GI	none	Score	61
Exons	60..284, 82..177, 96..245		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82124	Strand	
Start	294	End	723
Name	OJ990830_11.0303.C23.o1.tm	Method	TBLASTX:Maize
Start	294	End	723
GI	none	Score	42
Exons	294..437, 311..367, 325..402, 442..723, 443..691, 448..723		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82124	Strand	
Start	294	End	723
Name	OJ990830_11.0303.C23.o1.ts	Method	TBLASTX:Soybean
Start	457	End	711
GI	none	Score	120
Exons	457..711, 506..685		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82124	Strand	
Start	294	End	723
Name	OJ990830_11.0303.C23.o2.tw	Method	TBLASTX:Wheat
Start	463	End	723
GI	none	Score	44
Exons	463..723, 493..600, 584..703		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o1.tm	Method	TBLASTX:Maize
Start	3126	End	3485
GI	none	Score	66
Exons	3126..3179, 3180..3254, 3306..3446, 3314..3445, 3420..3485, 3435..3479		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o1.ts	Method	TBLASTX:Soybean
Start	3186	End	3761
GI	none	Score	83
Exons	3186..3254, 3306..3479, 3311..3382, 3330..3494, 3564..3590, 3674..3730, 3699..3761		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o1.tc	Method	TBLASTX:Cress
Start	3306	End	4212
GI	none	Score	183
Exons	3306..3479, 3564..3593, 3935..4066, 4153..4212		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o2.tm	Method	TBLASTX:Maize
Start	3548	End	3848
GI	none	Score	77
Exons	3548..3601, 3549..3596, 3674..3760, 3699..3761, 3715..3762, 3742..3819, 3765..3848, 3765..3836		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o1.gp	Method	AAT/GAP
Start	4173	End	4454
GI	none	Score	440
Exons	4173..4454		

Seq. No.	39728	Seq. ID	OJ990830_11.0303.C36
Gene No.	82126	Strand	+
Start	1	End	312
Name	OJ990830_11.0303.C36.o1.gp	Method	AAT/GAP
Start	1	End	312
GI	uC-osflM202014c01b1	Score	568
Exons	1..312		
GI Descrip.	'395930/emb|X66522|OSTOS12A 8.0e-49 O.sativa retrotransposon Tos1-2 >gi_2176333_dbj_E08212_E08212 DNA sequence containing retrotransposon region'		

Seq. No.	39728	Seq. ID	OJ990830_11.0303.C36
Gene No.	82127	Strand	+
Start	321	End	447
Name	OJ990830_11.0303.C36.o2.gp	Method	AAT/GAP
Start	321	End	447
GI	1427_1.R1084	Score	173
Exons	321..447		
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		

Seq. No.	39729	Seq. ID	OJ990830_11.0303.C37
Gene No.	82128	Strand	
Start	1238	End	1444
Name	OJ990830_11.0303.C37.o1.ts	Method	TBLASTX:Soybean
Start	1238	End	1444
GI	none	Score	210
Exons	1238..1426, 1244..1444		

Seq. No.	39730	Seq. ID	OJ990830_11.0303.C38
Gene No.	82129	Strand	
Start	259	End	1046
Name	OJ990830_11.0303.C38.o1.tm	Method	TBLASTX:Maize
Start	259	End	1046
GI	none	Score	48
Exons	259..375, 284..388, 287..379, 343..378, 399..560, 399..458, 412..549, 413..541, 433..558, 434..532, 435..557, 436..519, 442..552, 452..571, 656..712, 662..712, 665..742, 677..769,		

677..769, 731..910, 732..815, 760..915, 761..910, 770..925, 772..918, 827..883, 936..1046

Seq. No.	39731	Seq. ID	OJ990830_11.0303.C45
Gene No.	82130	Strand	
Start	437	End	965
Name	OJ990830_11.0303.C45.o1.tm	Method	TBLASTX:Maize
Start	437	End	821
GI	none	Score	332
Exons	437..517, 441..821, 465..710, 605..820		

Seq. No.	39731	Seq. ID	OJ990830_11.0303.C45
Gene No.	82130	Strand	
Start	437	End	965
Name	OJ990830_11.0303.C45.o1.tw	Method	TBLASTX:Wheat
Start	495	End	919
GI	none	Score	471
Exons	495..917, 498..779, 605..919		

Seq. No.	39731	Seq. ID	OJ990830_11.0303.C45
Gene No.	82130	Strand	
Start	437	End	965
Name	OJ990830_11.0303.C45.o1.ts	Method	TBLASTX:Soybean
Start	549	End	965
GI	none	Score	317
Exons	549..965, 608..733		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82131	Strand	
Start	605	End	2909
Name	OJ990930_10.0310.C10.o4.ts	Method	TBLASTX:Soybean
Start	605	End	2819
GI	none	Score	73
Exons	605..712, 716..1051, 2555..2602, 2612..2653, 2664..2807, 2757..2819		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82131	Strand	
Start	605	End	2909
Name	OJ990930_10.0310.C10.o3.tw	Method	TBLASTX:Wheat
Start	608	End	1003
GI	none	Score	247
Exons	608..703, 610..708, 611..1003		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82131	Strand	
Start	605	End	2909
Name	OJ990930_10.0310.C10.o6.tm	Method	TBLASTX:M
Start	2560	End	2903
GI	none	Score	90
Exons	2560..2634, 2561..2632, 2646..2885, 2658..2903, 2663..2902		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82131	Strand	
Start	605	End	2909
Name	OJ990930_10.0310.C10.o5.tw	Method	TBLASTX:Wheat
Start	2679	End	2909

GI	none	Score	206
Exons	2679..2909, 2679..2720, 2768..2893		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o5.tm	Method	TBLASTX:Maize
Start	2908	End	3295
GI	none	Score	114
Exons	2908..3015, 2921..3028, 3019..3294, 3023..3295		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	3059	End	3631
GI	none	Score	266
Exons	3059..3307, 3067..3291, 3231..3359, 3318..3362, 3343..3423, 3347..3631, 3359..3628, 3505..3630		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	3296	End	4048
GI	none	Score	111
Exons	3296..3367, 3301..3369, 3365..3538, 3368..3979, 3493..3951, 3599..3973, 4019..4048		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o3.ts	Method	TBLASTX:Soybean
Start	3476	End	3922
GI	none	Score	310
Exons	3476..3922, 3496..3786, 3500..3787, 3811..3921		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	3512	End	3928
GI	none	Score	212
Exons	3512..3928		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o4.tw	Method	TBLASTX:Wheat
Start	3719	End	3958
GI	none	Score	133
Exons	3719..3808, 3721..3795, 3797..3958, 3808..3951		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82133	Strand	
Start	4133	End	5010
Name	OJ990930_10.0310.C10.o4.tm	Method	TBLASTX:Maize

Start	4133	End	4456
GI	none	Score	103
Exons	4133..4258, 4139..4456, 4140..4454		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82133	Strand	
Start	4133	End	5010
Name	OJ990930_10.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	4163	End	4770
GI	5509260	Score	243
Exons	4163..4378, 4164..4379, 4388..4456, 4389..4463, 4452..4763, 4453..4770, 4573..4770		
GI Descrip.	-		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82133	Strand	
Start	4133	End	5010
Name	OJ990930_10.0310.C10.o2.tw	Method	TBLASTX:Wheat
Start	4289	End	4764
GI	none	Score	86
Exons	4289..4378, 4305..4379, 4373..4408, 4383..4745, 4462..4758, 4483..4764		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82133	Strand	
Start	4133	End	5010
Name	OJ990930_10.0310.C10.o3.tm	Method	TBLASTX:Maize
Start	4574	End	5010
GI	none	Score	621
Exons	4574..4981, 4575..5006, 4576..5010		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82134	Strand	
Start	5125	End	5828
Name	OJ990930_10.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	5125	End	5828
GI	none	Score	958
Exons	5125..5820, 5133..5828, 5133..5813, 5473..5817, 5717..5818		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82134	Strand	
Start	5125	End	5828
Name	OJ990930_10.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	5143	End	5784
GI	none	Score	271
Exons	5143..5532, 5367..5531, 5544..5636, 5551..5784		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82134	Strand	
Start	5125	End	5828
Name	OJ990930_10.0310.C10.o6.tw	Method	TBLASTX:Wheat
Start	5281	End	5748
GI	none	Score	100
Exons	5281..5541, 5560..5748		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82135	Strand	

Start	2868	End	3206
Name	OJ990930_10.0310.C12.o6.ts	Method	TBLASTX:Soybean
Start	2868	End	3206
GI	none	Score	196
Exons	2868..3206		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o5.ts	Method	TBLASTX:Soybean
Start	3616	End	3981
GI	none	Score	138
Exons	3616..3840, 3627..3839, 3847..3981		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o1.tw	Method	TBLASTX:Wheat
Start	3778	End	4182
GI	none	Score	69
Exons	3778..3834, 3792..3824, 3829..4182, 3837..4139, 3841..4182		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o2.tm	Method	TBLASTX:Maize
Start	3832	End	4050
GI	none	Score	293
Exons	3832..4050, 3832..4032, 3837..4049		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	4051	End	4513
GI	none	Score	406
Exons	4051..4374, 4051..4383, 4381..4512, 4382..4513		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o5.tw	Method	TBLASTX:Wheat
Start	4183	End	4582
GI	none	Score	142
Exons	4183..4377, 4200..4310, 4499..4582		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o2.ts	Method	TBLASTX:Soybean
Start	4198	End	4669
GI	none	Score	162
Exons	4198..4398, 4236..4310, 4376..4480, 4481..4669, 4525..4656		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82137	Strand	
Start	4819	End	5263

Name	OJ990930_10.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	4819	End	5232
GI	none	Score	132
Exons	4819..4971, 4820..4957, 4978..5061, 4979..5230, 5119..5232		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82137	Strand	
Start	4819	End	5263
Name	OJ990930_10.0310.C12.o3.tw	Method	TBLASTX:Wheat
Start	4865	End	5263
GI	none	Score	63
Exons	4865..4948, 4994..5263		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82138	Strand	
Start	5663	End	6082
Name	OJ990930_10.0310.C12.o4.tw	Method	TBLASTX:Wheat
Start	5663	End	5956
GI	none	Score	141
Exons	5663..5827, 5852..5956		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82138	Strand	
Start	5663	End	6082
Name	OJ990930_10.0310.C12.o3.tm	Method	TBLASTX:Maize
Start	5681	End	6061
GI	none	Score	88
Exons	5681..5839, 5837..6061		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82138	Strand	
Start	5663	End	6082
Name	OJ990930_10.0310.C12.o4.ts	Method	TBLASTX:Soybean
Start	5684	End	6082
GI	none	Score	233
Exons	5684..6082		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82139	Strand	
Start	6242	End	6675
Name	OJ990930_10.0310.C12.o2.tw	Method	TBLASTX:Wheat
Start	6242	End	6649
GI	none	Score	228
Exons	6242..6649, 6472..6615		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82139	Strand	
Start	6242	End	6675
Name	OJ990930_10.0310.C12.o3.ts	Method	TBLASTX:Soybean
Start	6425	End	6675
GI	none	Score	234
Exons	6425..6670, 6463..6597, 6634..6675		

Seq. No.	39734	Seq. ID	OJ990930_10.0310.C20
Gene No.	82140	Strand	-
Start	2527	End	4078
Name	OJ990930_10.0310.C20.o1.gp	Method	AAT/GAP

Start 2527 End 3867
GI none Score 896
Exons 2527..2936, 3021..3088, 3848..3867

Seq. No. 39734 Seq. ID OJ990930_10.0310.C20
Gene No. 82140 Strand -
Start 2527 End 4078
Name OJ990930_10.0310.C20.o1.tm Method TBLASTX:Maize
Start 2775 End 3997
GI none Score 253
Exons 2775..2939, 2776..2940, 2776..2934, 2780..2938, 3020..3088, 3021..3086, 3037..3117, 3962..3997

Seq. No. 39734 Seq. ID OJ990930_10.0310.C20
Gene No. 82140 Strand -
Start 2527 End 4078
Name OJ990930_10.0310.C20.o1.tc Method TBLASTX:Cress
Start 2786 End 4078
GI none Score 157
Exons 2786..2938, 2787..2954, 3018..3089, 3020..3091, 3968..4009, 4004..4078, 4010..4075

Seq. No. 39735 Seq. ID OJ990930_10.0310.C21
Gene No. 82141 Strand -
Start 331 End 1241
Name OJ990930_10.0310.C21.o1.gp Method AAT/GAP
Start 331 End 1241
GI none Score 317
Exons 331..466, 1147..1241

Seq. No. 39736 Seq. ID OJ990930_10.0310.C22
Gene No. 82142 Strand +
Start 1655 End 2011
Name OJ990930_10.0310.C22.o1.gp Method AAT/GAP
Start 1655 End 2011
GI none Score 706
Exons 1655..2011

Seq. No. 39736 Seq. ID OJ990930_10.0310.C22
Gene No. 82143 Strand
Start 1930 End 3054
Name OJ990930_10.0310.C22.o1.tm Method TBLASTX:Maize
Start 1930 End 3054
GI none Score 63
Exons 1930..2451, 1985..2080, 2220..2270, 2336..2440, 2349..2459, 2452..2697, 2454..2726, 2466..2705, 2826..2924, 2835..3044, 2839..3054

Seq. No. 39736 Seq. ID OJ990930_10.0310.C22
Gene No. 82143 Strand
Start 1930 End 3054
Name OJ990930_10.0310.C22.o1.ts Method TBLASTX:Soybean
Start 2452 End 2666
GI none Score 129
Exons 2452..2661, 2454..2666

Seq. No. 39736 Seq. ID OJ990930_10.0310.C22

Gene No.	82143	Strand	
Start	1930	End	3054
Name	OJ990930_10.0310.C22.o3.ts	Method	TBLASTX:Soybean
Start	2820	End	3018
GI	none	Score	83
Exons	2820..2948, 2821..3018, 2826..3017		

Seq. No.	39736	Seq. ID	OJ990930_10.0310.C22
Gene No.	82144	Strand	
Start	3469	End	4479
Name	OJ990930_10.0310.C22.o2.ts	Method	TBLASTX:Soybean
Start	3469	End	4479
GI	none	Score	56
Exons	3469..3573, 3476..3652, 3585..3653, 4408..4479		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82145	Strand	+
Start	9527	End	10025
Name	OJ990930_10.0310.C23.o1.gp	Method	AAT/GAP
Start	9527	End	10025
GI	LIB3431-015-P1-K1-C7	Score	616
Exons	9527..9668, 9741..9865, 9949..10025		
GI Descrip.	'1532135 6.0e-32 (U49442) chloroplast mRNA-binding protein CSP41 precursor [Spinacia oleracea]'		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82146	Strand	+
Start	10703	End	10988
Name	OJ990930_10.0310.C23.o2.gp	Method	AAT/GAP
Start	10703	End	10988
GI	702014	Score	485
Exons	10703..10988		
GI Descrip.	4512018/gb|AAD21574.1| 4.0e-43 (AF106660) mRNA binding protein precursor [Lycopersicon esculentum]		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o3.tc	Method	TBLASTX:Cress
Start	221	End	442
GI	none	Score	195
Exons	221..442, 251..406		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o2.tw	Method	TBLASTX:Wheat
Start	3366	End	4170
GI	none	Score	152
Exons	3366..3608, 3367..3594, 3640..3726, 4090..4170		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o4.ts	Method	TBLASTX:Soybean
Start	3367	End	3717
GI	5509260	Score	149

Exons	3367..3603, 3640..3717		
GI Descrip.	-		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o3.ts	Method	TBLASTX:Soybean
Start	3865	End	4272
GI	none	Score	126
Exons	3865..4020, 4141..4272		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o1.tm	Method	TBLASTX:Maize
Start	4129	End	4482
GI	none	Score	44
Exons	4129..4167, 4159..4482, 4170..4481		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o4.tm	Method	TBLASTX:Maize
Start	4608	End	4801
GI	none	Score	228
Exons	4608..4799, 4612..4800, 4615..4800, 4685..4801		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o1.tc	Method	TBLASTX:Cress
Start	9506	End	9685
GI	none	Score	241
Exons	9506..9685, 9507..9668		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o2.ts	Method	TBLASTX:Soybean
Start	9506	End	9691
GI	none	Score	241
Exons	9506..9691, 9507..9668		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o5.tm	Method	TBLASTX:Maize
Start	9507	End	9650
GI	none	Score	226
Exons	9507..9650, 9519..9647		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o3.tm	Method	TBLASTX:Maize
Start	9831	End	10242
GI	none	Score	67

Exons	9831..9875, 9941..10051, 9946..10053, 9947..10051, 10158..10211, 10159..10212, 10219..10242, 10225..10242		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o1.ts	Method	TBLASTX:Soybean
Start	10021	End	11676
GI	none	Score	56
Exons	10021..10053, 10022..10051, 10158..10316, 10159..10317, 10703..10984, 10704..10982, 11518..11676, 11520..11675		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o2.tc	Method	TBLASTX:Cress
Start	10920	End	11676
GI	none	Score	103
Exons	10920..10988, 11517..11675, 11518..11676, 11560..11676		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o3.gp	Method	AAT/GAP
Start	12628	End	16246
GI	29810_1.R1084	Score	1496
Exons	12628..13005, 14011..14094, 14542..14659, 15987..16246		
GI Descrip.	'4512018/gb|AAD21574.1| 4.0e-43 (AF106660) mRNA binding protein precursor [Lycopersicon esculentum]'		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o2.tm	Method	TBLASTX:Maize
Start	12755	End	16057
GI	none	Score	160
Exons	12755..13021, 12760..12999, 12900..13031, 14011..14094, 14535..14657, 14541..14657, 14542..14667, 14546..14659, 15986..16057, 15989..16057		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o1.tw	Method	TBLASTX:Wheat
Start	12772	End	14658
GI	none	Score	44
Exons	12772..12825, 12772..13005, 12776..12958, 12900..13031, 14011..14094, 14542..14643, 14543..14602, 14638..14658		

Seq. No.	39738	Seq. ID	OJ990930_10.0310.C26
Gene No.	82148	Strand	-
Start	1	End	363
Name	OJ990930_10.0310.C26.o1.gp	Method	AAT/GAP
Start	1	End	282
GI	2799714	Score	327
Exons	1..33, 123..282		

Seq. No.	39738	Seq. ID	OJ990930_10.0310.C26
Gene No.	82148	Strand	-
Start	1	End	363
Name	OJ990930_10.0310.C26.o2.tm	Method	TBLASTX:Maize
Start	122	End	363
GI	none	Score	118
Exons	122..361, 130..363		

Seq. No.	39738	Seq. ID	OJ990930_10.0310.C26
Gene No.	82149	Strand	
Start	2848	End	3143
Name	OJ990930_10.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	2848	End	3143
GI	none	Score	126
Exons	2848..2982, 2849..2980, 2859..2990, 2888..2989, 3063..3143, 3069..3137		

Seq. No.	39739	Seq. ID	OJ990930_10.0310.C27
Gene No.	82150	Strand	-
Start	186	End	1386
Name	OJ990930_10.0310.C27.o2.tm	Method	TBLASTX:Maize
Start	1	End	224
GI	none	Score	161
Exons	1..201, 2..205, 8..208, 9..224, 13..207		

Seq. No.	39739	Seq. ID	OJ990930_10.0310.C27
Gene No.	82150	Strand	-
Start	186	End	1386
Name	OJ990930_10.0310.C27.o1.gp	Method	AAT/GAP
Start	186	End	1386
GI	3548947	Score	1222
Exons	186..226, 332..596, 916..1386		

Seq. No.	39739	Seq. ID	OJ990930_10.0310.C27
Gene No.	82151	Strand	
Start	4730	End	5109
Name	OJ990930_10.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	4730	End	5109
GI	none	Score	188
Exons	4730..5014, 4739..5017, 5074..5109		

Seq. No.	39740	Seq. ID	OJ990930_10.0310.C28
Gene No.	82152	Strand	
Start	96	End	756
Name	OJ990930_10.0310.C28.o1.tw	Method	TBLASTX:Wheat
Start	96	End	660
GI	none	Score	66
Exons	96..215, 98..229, 307..660		

Seq. No.	39740	Seq. ID	OJ990930_10.0310.C28
Gene No.	82152	Strand	
Start	96	End	756
Name	OJ990930_10.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	310	End	756
GI	none	Score	65
Exons	310..456, 310..756, 311..754		

Seq. No.	39740	Seq. ID	OJ990930_10.0310.C28
Gene No.	82152	Strand	
Start	96	End	756
Name	OJ990930_10.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	322	End	723
GI	none	Score	74
Exons	322..561, 323..442, 566..676, 571..723		

Seq. No.	39740	Seq. ID	OJ990930_10.0310.C28
Gene No.	82153	Strand	
Start	1046	End	1285
Name	OJ990930_10.0310.C28.o2.ts	Method	TBLASTX:Soybean
Start	1046	End	1285
GI	none	Score	87
Exons	1046..1285, 1068..1283		

Seq. No.	39741	Seq. ID	OJ990930_10.0310.C29
Gene No.	82154	Strand	
Start	5	End	268
Name	OJ990930_10.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	5	End	268
GI	none	Score	208
Exons	5..268		

Seq. No.	39742	Seq. ID	OJ990930_10.0310.C30
Gene No.	82155	Strand	
Start	1621	End	2229
Name	OJ990930_10.0310.C30.o1.tw	Method	TBLASTX:Wheat
Start	1621	End	2229
GI	none	Score	70
Exons	1621..1752, 1622..1747, 1777..2229, 1973..2050, 2129..2215		

Seq. No.	39742	Seq. ID	OJ990930_10.0310.C30
Gene No.	82155	Strand	
Start	1621	End	2229
Name	OJ990930_10.0310.C30.o1.tm	Method	TBLASTX:Maize
Start	1657	End	1923
GI	none	Score	48
Exons	1657..1740, 1691..1747, 1741..1857, 1741..1923		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82156	Strand	
Start	125	End	379
Name	OJ990930_10.0310.C31.o6.tw	Method	TBLASTX:Wheat
Start	125	End	379
GI	none	Score	67
Exons	125..379, 252..377		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82157	Strand	
Start	422	End	830
Name	OJ990930_10.0310.C31.o5.tw	Method	TBLASTX:Wheat
Start	422	End	830
GI	none	Score	53
Exons	422..493, 422..595, 603..830, 605..829		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31

Gene No.	82158	Strand	
Start	920	End	1456
Name	OJ990930_10.0310.C31.o1.ts	Method	TBLASTX:Soybean
Start	920	End	1345
GI	none	Score	86
Exons	920..1345, 1161..1286		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82158	Strand	
Start	920	End	1456
Name	OJ990930_10.0310.C31.o2.tw	Method	TBLASTX:Wheat
Start	975	End	1399
GI	none	Score	244
Exons	975..1289, 977..1399, 995..1348		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82158	Strand	
Start	920	End	1456
Name	OJ990930_10.0310.C31.o2.tm	Method	TBLASTX:Maize
Start	1073	End	1456
GI	none	Score	113
Exons	1073..1456, 1074..1289, 1359..1421		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82159	Strand	
Start	1484	End	1961
Name	OJ990930_10.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	1484	End	1840
GI	none	Score	202
Exons	1484..1840, 1485..1778		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82159	Strand	
Start	1484	End	1961
Name	OJ990930_10.0310.C31.o1.tw	Method	TBLASTX:Wheat
Start	1514	End	1961
GI	none	Score	311
Exons	1514..1960, 1515..1961		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82160	Strand	
Start	2176	End	2616
Name	OJ990930_10.0310.C31.o3.tw	Method	TBLASTX:Wheat
Start	2176	End	2616
GI	none	Score	142
Exons	2176..2397, 2183..2395, 2434..2616, 2507..2608		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82161	Strand	
Start	3252	End	3650
Name	OJ990930_10.0310.C31.o4.tw	Method	TBLASTX:Wheat
Start	3252	End	3650
GI	none	Score	90
Exons	3252..3512, 3253..3480, 3486..3599, 3538..3588, 3600..3650		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82161	Strand	

Start	3252	End	3650
Name	OJ990930_10.0310.C31.o3.tm	Method	TBLASTX:Maize
Start	3366	End	3605
GI	none	Score	187
Exons	3366..3605		

Seq. No.	39744	Seq. ID	OJ990930_10.0310.C32
Gene No.	82162	Strand	
Start	420	End	822
Name	OJ990930_10.0310.C32.o1.tw	Method	TBLASTX:Wheat
Start	420	End	822
GI	none	Score	240
Exons	420..473, 421..822, 546..728		

Seq. No.	39745	Seq. ID	OJ990930_10.0310.C33
Gene No.	82163	Strand	
Start	1748	End	2149
Name	OJ990930_10.0310.C33.o2.tw	Method	TBLASTX:Wheat
Start	1748	End	2149
GI	none	Score	323
Exons	1748..2149, 1891..2133		

Seq. No.	39745	Seq. ID	OJ990930_10.0310.C33
Gene No.	82164	Strand	
Start	2357	End	2927
Name	OJ990930_10.0310.C33.o1.tw	Method	TBLASTX:Wheat
Start	2357	End	2718
GI	none	Score	364
Exons	2357..2716, 2371..2715, 2372..2716, 2590..2718		

Seq. No.	39745	Seq. ID	OJ990930_10.0310.C33
Gene No.	82164	Strand	
Start	2357	End	2927
Name	OJ990930_10.0310.C33.o1.tm	Method	TBLASTX:Maize
Start	2563	End	2829
GI	none	Score	160
Exons	2563..2709, 2564..2716, 2719..2829		

Seq. No.	39745	Seq. ID	OJ990930_10.0310.C33
Gene No.	82164	Strand	
Start	2357	End	2927
Name	OJ990930_10.0310.C33.o3.tw	Method	TBLASTX:Wheat
Start	2719	End	2927
GI	none	Score	253
Exons	2719..2925, 2722..2925, 2724..2927		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82165	Strand	
Start	2	End	595
Name	OJ990930_10.0310.C34.o5.tw	Method	TBLASTX:Wheat
Start	2	End	166
GI	none	Score	197
Exons	2..166, 16..165		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82165	Strand	
Start	2	End	595

Name	OJ990930_10.0310.C34.o1.ts	Method	TBLASTX:Soybean
Start	5	End	397
GI	none	Score	282
Exons	5..397, 10..138, 193..324		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82165	Strand	
Start	2	End	595
Name	OJ990930_10.0310.C34.o2.tm	Method	TBLASTX:Maize
Start	64	End	484
GI	none	Score	263
Exons	64..318, 65..319, 311..484, 340..423		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82165	Strand	
Start	2	End	595
Name	OJ990930_10.0310.C34.o3.tw	Method	TBLASTX:Wheat
Start	166	End	595
GI	none	Score	375
Exons	166..423, 167..595		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82166	Strand	
Start	629	End	1138
Name	OJ990930_10.0310.C34.o2.ts	Method	TBLASTX:Soybean
Start	629	End	1009
GI	none	Score	86
Exons	629..727, 631..717, 766..849, 767..1009		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82166	Strand	
Start	629	End	1138
Name	OJ990930_10.0310.C34.o4.tw	Method	TBLASTX:Wheat
Start	632	End	1054
GI	none	Score	131
Exons	632..742, 637..924, 773..1054		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82166	Strand	
Start	629	End	1138
Name	OJ990930_10.0310.C34.o5.tm	Method	TBLASTX:Maize
Start	884	End	1138
GI	none	Score	179
Exons	884..1138		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82167	Strand	
Start	1363	End	1759
Name	OJ990930_10.0310.C34.o1.tm	Method	TBLASTX:Maize
Start	1363	End	1735
GI	none	Score	404
Exons	1363..1692, 1367..1693, 1682..1735		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82167	Strand	
Start	1363	End	1759
Name	OJ990930_10.0310.C34.o2.tw	Method	TBLASTX:Wheat

Start	1372	End	1759
GI	none	Score	383
Exons	1372..1683, 1373..1759, 1574..1747, 1714..1758		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82168	Strand	
Start	1831	End	2488
Name	OJ990930_10.0310.C34.o4.tm	Method	TBLASTX:Maize
Start	1831	End	2104
GI	none	Score	89
Exons	1831..1929, 1832..1930, 1921..1995, 1925..2008, 2018..2104		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82168	Strand	
Start	1831	End	2488
Name	OJ990930_10.0310.C34.o1.tw	Method	TBLASTX:Wheat
Start	1874	End	2488
GI	none	Score	347
Exons	1874..2332, 1909..1983, 2029..2136, 2351..2488, 2362..2484		

Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82168	Strand	
Start	1831	End	2488
Name	OJ990930_10.0310.C34.o3.tm	Method	TBLASTX:Maize
Start	2186	End	2449
GI	none	Score	139
Exons	2186..2368, 2347..2445, 2351..2449		

Seq. No.	39747	Seq. ID	OJ990930_10.0310.C35
Gene No.	82169	Strand	
Start	928	End	1218
Name	OJ990930_10.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	928	End	1218
GI	none	Score	188
Exons	928..1218		

Seq. No.	39748	Seq. ID	OJ990930_12.0310.C1
Gene No.	82170	Strand	-
Start	152	End	463
Name	OJ990930_12.0310.C1.o1.gs	Method	GENSCAN
Start	152	End	463
GI	none	Score	.44
Exons	152..463		

Seq. No.	39749	Seq. ID	OJ990930_12.0310.C2
Gene No.	82171	Strand	-
Start	1	End	1108
Name	OJ990930_12.0310.C2.o1.gp	Method	AAT/GAP
Start	1	End	494
GI	LIB3431-001-P1-N1-B5	Score	708
Exons	1..206, 312..494		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	39749	Seq. ID	OJ990930_12.0310.C2
Gene No.	82171	Strand	-
Start	1	End	1108

Name	OJ990930_12.0310.C2.o1.gs	Method	GENSCAN
Start	270	End	1108
GI	none	Score	.78
Exons	270..483, 650..820, 903..1108		

Seq. No.	39750	Seq. ID	OJ990930_12.0310.C3
Gene No.	82172	Strand	-
Start	1	End	745
Name	OJ990930_12.0310.C3.o1.np	Method	AAT/NAP
Start	1	End	745
GI	7106512	Score	1025
Exons	1..745		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39750	Seq. ID	OJ990930_12.0310.C3
Gene No.	82172	Strand	-
Start	1	End	745
Name	OJ990930_12.0310.C3.o1.gs	Method	GENSCAN
Start	75	End	671
GI	none	Score	.61
Exons	75..671		

Seq. No.	39751	Seq. ID	OJ990930_12.0310.C5
Gene No.	82173	Strand	-
Start	274	End	399
Name	OJ990930_12.0310.C5.o1.gs	Method	GENSCAN
Start	274	End	399
GI	none	Score	.5
Exons	274..399		

Seq. No.	39752	Seq. ID	OJ990930_12.0310.C12
Gene No.	82174	Strand	-
Start	371	End	445
Name	OJ990930_12.0310.C12.o1.gs	Method	GENSCAN
Start	371	End	445
GI	none	Score	.84
Exons	371..445		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82175	Strand	+
Start	222	End	478
Name	OJ990930_12.0310.C15.o1.gs	Method	GENSCAN
Start	222	End	478
GI	none	Score	.8
Exons	222..396, 465..478		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o1.gp	Method	AAT/GAP
Start	2475	End	3222
GI	306_1.R1084	Score	1436
Exons	2475..3222		
GI Descrip.	'2118429/pir||S59925 7.0e-59 allergen RA5B precursor - rice >gi_1398918_dbj_BAA07713_ (D42142) allergenic protein [Oryza sativa]'		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o1.np	Method	AAT/NAP
Start	2596	End	3075
GI	2118429	Score	861
Exons	2596..3075		
GI Descrip.	allergen RA5B precursor - rice gi|1398918|dbj|BAA07713| (D42142) allergenic protein [Oryza sativa]		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o2.gs	Method	GENSCAN
Start	2596	End	8594
GI	none	Score	.62
Exons	2596..3040, 3713..3884, 4946..5071, 5124..5243, 6232..6292, 6590..7665, 8364..8594		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o2.gp	Method	AAT/GAP
Start	5838	End	6145
GI	72524_1.R1084	Score	416
Exons	5838..6145		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o2.np	Method	AAT/NAP
Start	6098	End	8701
GI	7106512	Score	1884
Exons	6098..6158, 6232..7717, 8254..8701		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82177	Strand	+
Start	1	End	6134
Name	OJ990930_12.0310.C16.o1.np	Method	AAT/NAP
Start	1	End	1334
GI	7106512	Score	1542
Exons	1..1334		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82177	Strand	+
Start	1	End	6134
Name	OJ990930_12.0310.C16.o1.gs	Method	GENSCAN
Start	6	End	5078
GI	none	Score	.79
Exons	6..1068, 1415..1516, 1691..1869, 4766..4885, 5064..5078		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82177	Strand	+
Start	1	End	6134
Name	OJ990930_12.0310.C16.o2.gp	Method	AAT/GAP
Start	3487	End	3736
GI	3761181	Score	410
Exons	3487..3736		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82177	Strand	+
Start	1	End	6134
Name	OJ990930_12.0310.C16.o2.np	Method	AAT/NAP
Start	3633	End	6134
GI	7106512	Score	96
Exons	3633..3693, 3767..3814, 6102..6134		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82178	Strand	-
Start	3373	End	3680
Name	OJ990930_12.0310.C16.o1.gp	Method	AAT/GAP
Start	3373	End	3680
GI	72524_1.R1084	Score	419
Exons	3373..3680		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39755	Seq. ID	OJ990930_12.0310.C17
Gene No.	82179	Strand	+
Start	710	End	1348
Name	OJ990930_12.0310.C17.o1.gs	Method	GENSCAN
Start	710	End	1348
GI	none	Score	.41
Exons	710..882, 914..1097, 1255..1348		

Seq. No.	39755	Seq. ID	OJ990930_12.0310.C17
Gene No.	82180	Strand	-
Start	2015	End	2197
Name	OJ990930_12.0310.C17.o2.gs	Method	GENSCAN
Start	2015	End	2197
GI	none	Score	.92
Exons	2015..2197		

Seq. No.	39756	Seq. ID	OJ990930_12.0310.C18
Gene No.	82181	Strand	+
Start	939	End	1561
Name	OJ990930_12.0310.C18.o1.gs	Method	GENSCAN
Start	939	End	1561
GI	none	Score	.55
Exons	939..1096, 1447..1561		

Seq. No.	39756	Seq. ID	OJ990930_12.0310.C18
Gene No.	82182	Strand	+

Start	2967	End	3320
Name	OJ990930_12.0310.C18.o1.gp	Method	AAT/GAP
Start	2967	End	3320
GI	426759	Score	670
Exons	2967..3320		

Seq. No.	39756	Seq. ID	OJ990930_12.0310.C18
Gene No.	82183	Strand	+
Start	4769	End	5056
Name	OJ990930_12.0310.C18.o2.gp	Method	AAT/GAP
Start	4769	End	5056
GI	3761047	Score	463
Exons	4769..5056		

Seq. No.	39756	Seq. ID	OJ990930_12.0310.C18
Gene No.	82184	Strand	+
Start	7776	End	8282
Name	OJ990930_12.0310.C18.o4.gs	Method	GENSCAN
Start	7776	End	8282
GI	none	Score	.45
Exons	7776..8282		

Seq. No.	39756	Seq. ID	OJ990930_12.0310.C18
Gene No.	82185	Strand	-
Start	2578	End	4190
Name	OJ990930_12.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	1599	End	2362
GI	none	Score	68
Exons	1599..1676, 1601..1684, 1734..1841, 1734..1823, 1734..1823, 1734..1835, 1734..1844, 1736..1831, 1747..1860, 1749..1826, 1749..1826, 1750..1857, 1750..1833, 1751..1840, 1754..1831, 1869..2030, 1876..1995, 1878..1988, 1879..1995, 1881..2030, 1888..1986, 1889..2032, 1902..1988, 1957..2034, 1962..2039, 1969..2046, 2040..2189, 2050..2166, 2058..2168, 2059..2181, 2059..2106, 2068..2169, 2087..2173, 2088..2210, 2088..2168, 2213..2362, 2215..2349		

Seq. No.	39756	Seq. ID	OJ990930_12.0310.C18
Gene No.	82185	Strand	-
Start	2578	End	4190
Name	OJ990930_12.0310.C18.o2.gs	Method	GENSCAN
Start	2578	End	4190
GI	none	Score	.58
Exons	2578..3095, 3680..3890, 4149..4190		

Seq. No.	39757	Seq. ID	OJ990930_12.0310.C20
Gene No.	82186	Strand	-
Start	218	End	2842
Name	OJ990930_12.0310.C20.o1.gs	Method	GENSCAN
Start	218	End	2842
GI	none	Score	.92
Exons	218..643, 722..1310, 1544..1680, 2806..2842		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.gp	Method	AAT/GAP

Start	352	End	1808
GI	5002953	Score	1233
Exons	352..533, 1013..1419, 1677..1808		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.np	Method	AAT/NAP
Start	466	End	2617
GI	4680203	Score	1055
Exons	466..1404, 1680..1909, 2063..2155, 2198..2617		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.tw	Method	TBLASTX:Wheat
Start	577	End	1793
GI	none	Score	67
Exons	577..669, 670..774, 698..775, 799..840, 799..837, 844..891, 880..1083, 896..1036, 1051..1218, 1059..1235, 1254..1361, 1306..1362, 1387..1449, 1392..1793, 1453..1749		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.tc	Method	TBLASTX:Cress
Start	1068	End	1449
GI	none	Score	62
Exons	1068..1235, 1096..1218, 1254..1361, 1387..1449		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	1455	End	1752
GI	none	Score	149
Exons	1455..1751, 1456..1752		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o2.tw	Method	TBLASTX:Wheat
Start	1808	End	2152
GI	none	Score	52
Exons	1808..1879, 1809..1880, 1916..2152, 1917..2117		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o2.tm	Method	TBLASTX:Maize
Start	1925	End	2140
GI	none	Score	93
Exons	1925..1987, 1994..2140, 2004..2111		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.ts	Method	TBLASTX:Soybean
Start	2285	End	2512
GI	none	Score	94
Exons	2285..2512, 2364..2510		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.np	Method	AAT/NAP
Start	1	End	2514
GI	7248394	Score	2203
Exons	1..358, 629..1698, 2135..2514		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o5.ts	Method	TBLASTX:Soybean
Start	328	End	696
GI	none	Score	133
Exons	328..546, 562..696		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.gs	Method	GENSCAN
Start	343	End	3668
GI	none	Score	.87
Exons	343..1120, 1334..1427, 1503..2349, 2397..2585, 2787..3668		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.tw	Method	TBLASTX:Wheat
Start	490	End	898
GI	none	Score	587
Exons	490..897, 507..824, 616..846, 797..898, 800..898		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o2.tm	Method	TBLASTX:Maize
Start	550	End	765
GI	none	Score	296
Exons	550..765, 552..764		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.tm	Method	TBLASTX:Maize

Start	766	End	1227
GI	none	Score	619
Exons	766..1227, 768..824, 885..1226		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o4.ts	Method	TBLASTX:Soybean
Start	913	End	1382
GI	none	Score	219
Exons	913..1194, 943..1062, 948..1148, 1236..1382		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o3.tw	Method	TBLASTX:Wheat
Start	916	End	1292
GI	none	Score	200
Exons	916..1218, 1195..1272, 1197..1292		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.ts	Method	TBLASTX:Soybean
Start	1533	End	1950
GI	none	Score	67
Exons	1533..1661, 1533..1667, 1534..1677, 1707..1793, 1708..1950, 1833..1946		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o5.tw	Method	TBLASTX:Wheat
Start	1579	End	2013
GI	none	Score	66
Exons	1579..1647, 1744..2013, 1755..1796, 1827..1928		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o2.tw	Method	TBLASTX:Wheat
Start	1649	End	3632
GI	none	Score	230
Exons	1649..1741, 3216..3632		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o3.tm	Method	TBLASTX:Maize
Start	2463	End	2816
GI	none	Score	217
Exons	2463..2816		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o2.np	Method	AAT/NAP

Start	2533	End	3695
GI	629693	Score	555
Exons	2533..3695		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o3.ts	Method	TBLASTX:Soybean
Start	2670	End	3065
GI	none	Score	240
Exons	2670..3065, 2771..2965		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o4.tw	Method	TBLASTX:Wheat
Start	2826	End	3185
GI	none	Score	183
Exons	2826..3185		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o2.ts	Method	TBLASTX:Soybean
Start	3408	End	3653
GI	none	Score	246
Exons	3408..3653, 3452..3538, 3608..3649		

Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82189	Strand	-
Start	31	End	2282
Name	OJ990930_12.0310.C24.o1.gs	Method	GENSCAN
Start	31	End	2216
GI	none	Score	.64
Exons	31..160, 259..408, 1855..1905, 2000..2216		

Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82189	Strand	-
Start	31	End	2282
Name	OJ990930_12.0310.C24.o2.tm	Method	TBLASTX:Maize
Start	1332	End	1610
GI	none	Score	93
Exons	1332..1610, 1416..1562, 1468..1599		

Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82189	Strand	-
Start	31	End	2282
Name	OJ990930_12.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	1742	End	2080
GI	none	Score	95
Exons	1742..1891, 1747..1914, 1921..1950, 1940..2080		

Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82189	Strand	-
Start	31	End	2282

Name	OJ990930_12.0310.C24.o1.tm	Method	TBLASTX:Maize
Start	1801	End	2282
GI	none	Score	67
Exons	1801..1929, 1801..1893, 1931..2281, 1947..2282		

Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82190	Strand	
Start	2288	End	2516
Name	OJ990930_12.0310.C24.o3.tm	Method	TBLASTX:Maize
Start	2288	End	2516
GI	none	Score	87
Exons	2288..2509, 2325..2516		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82191	Strand	+
Start	5823	End	8286
Name	OJ990930_12.0310.C25.o2.gs	Method	GENSCAN
Start	5823	End	8286
GI	none	Score	.51
Exons	5823..6023, 6161..6363, 6751..7046, 7373..7478, 8130..8286		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82192	Strand	+
Start	9468	End	9989
Name	OJ990930_12.0310.C25.o3.gs	Method	GENSCAN
Start	9468	End	9989
GI	none	Score	.6
Exons	9468..9682, 9872..9989		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82193	Strand	+
Start	13526	End	13849
Name	OJ990930_12.0310.C25.o3.np	Method	AAT/NAP
Start	13526	End	13849
GI	6539588	Score	209
Exons	13526..13849		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82194	Strand	+
Start	17236	End	20237
Name	OJ990930_12.0310.C25.o5.gs	Method	GENSCAN
Start	17236	End	20237
GI	none	Score	.4
Exons	17236..17319, 18079..18246, 19624..19688, 20186..20237		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82195	Strand	+
Start	22365	End	23501
Name	OJ990930_12.0310.C25.o6.gs	Method	GENSCAN
Start	22365	End	23501
GI	none	Score	.64
Exons	22365..22830, 23029..23501		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82196	Strand	+
Start	23788	End	26927

Name	OJ990930_12.0310.C25.o7.gs	Method	GENSCAN
Start	23788	End	26927
GI	none	Score	.53
Exons	23788..24240, 24245..24908, 25095..25361, 25812..25952, 26132..26514, 26532..26927		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82196	Strand	+
Start	23788	End	26927
Name	OJ990930_12.0310.C25.o5.np	Method	AAT/NAP
Start	23812	End	26467
GI	4680179	Score	2950
Exons	23812..24802, 24830..26467		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82197	Strand	-
Start	1190	End	4575
Name	OJ990930_12.0310.C25.o1.gs	Method	GENSCAN
Start	1190	End	4575
GI	none	Score	.63
Exons	1190..1831, 1970..2286, 2341..2652, 2787..2947, 3100..3383, 3836..4521, 4545..4575		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82198	Strand	-
Start	9498	End	15082
Name	OJ990930_12.0310.C25.o2.np	Method	AAT/NAP
Start	9498	End	13602
GI	4416302	Score	616
Exons	9498..10234, 13531..13602		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82198	Strand	-
Start	9498	End	15082
Name	OJ990930_12.0310.C25.o4.gs	Method	GENSCAN
Start	13104	End	15061
GI	none	Score	.66
Exons	13104..13460, 13649..13792, 14792..15061		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82198	Strand	-
Start	9498	End	15082
Name	OJ990930_12.0310.C25.o4.np	Method	AAT/NAP
Start	13428	End	15082
GI	6539588	Score	157
Exons	13428..13447, 14764..15082		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o4.tm	Method	TBLASTX:Maize
Start	3	End	415
GI	none	Score	74
Exons	3..59, 8..415, 90..392		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o4.tw	Method	TBLASTX:Wheat
Start	32	End	361
GI	none	Score	177
Exons	32..361, 87..341		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o7.tw	Method	TBLASTX:Wheat
Start	690	End	1032
GI	none	Score	40
Exons	690..749, 691..750, 743..838, 750..827, 823..1032, 827..1003		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o6.tw	Method	TBLASTX:Wheat
Start	1282	End	1633
GI	none	Score	71
Exons	1282..1491, 1286..1507, 1484..1633, 1509..1631		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o2.ts	Method	TBLASTX:Soybean
Start	9471	End	10138
GI	none	Score	38
Exons	9471..9749, 9643..9735, 9768..10007, 9811..9969, 9977..10138		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o1.tm	Method	TBLASTX:Maize
Start	9519	End	10153
GI	none	Score	145
Exons	9519..10010, 9531..9929, 9562..10008, 10007..10153		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o10.tw	Method	TBLASTX:Wheat
Start	9564	End	9926
GI	none	Score	69
Exons	9564..9740, 9564..9737, 9759..9926		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o7.np	Method	AAT/NAP
Start	22459	End	33917
GI	6523547	Score	66
Exons	22459..22564, 22643..22844, 23739..23863, 31385..31531, 33633..33760, 33884..33917		

GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o9.tw	Method	TBLASTX:Wheat
Start	23971	End	24243
GI	none	Score	219
Exons	23971..24243, 23973..24149, 24016..24201		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o5.tw	Method	TBLASTX:Wheat
Start	24248	End	24553
GI	none	Score	287
Exons	24248..24553, 24250..24339		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o6.tm	Method	TBLASTX:Maize
Start	24248	End	24508
GI	none	Score	222
Exons	24248..24508, 24250..24339, 24327..24365, 24427..24507		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o7.tm	Method	TBLASTX:Maize
Start	24854	End	25174
GI	none	Score	186
Exons	24854..25174		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o8.tw	Method	TBLASTX:Wheat
Start	24908	End	25255
GI	none	Score	240
Exons	24908..25255		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o1.tw	Method	TBLASTX:Wheat
Start	25390	End	25876
GI	none	Score	515
Exons	25390..25683, 25394..25876, 25505..25834		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o4.ts	Method	TBLASTX:Soybean
Start	25430	End	25744
GI	none	Score	186

Exons	25430..25744		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o3.tm	Method	TBLASTX:Maize
Start	25459	End	25927
GI	none	Score	356
Exons	25459..25641, 25463..25906, 25535..25927		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o1.ts	Method	TBLASTX:Soybean
Start	25817	End	32990
GI	none	Score	57
Exons	25817..25849, 25817..25849, 25853..25906, 25853..25933, 25855..25998, 25961..26047, 25972..26019, 26038..26154, 26040..26201, 26047..26211, 32919..32990		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o2.tw	Method	TBLASTX:Wheat
Start	25975	End	26415
GI	none	Score	69
Exons	25975..26019, 25976..26026, 25983..26399, 26044..26415		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o2.tm	Method	TBLASTX:Maize
Start	26107	End	26466
GI	none	Score	378
Exons	26107..26466, 26160..26465, 26173..26466		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o3.ts	Method	TBLASTX:Soybean
Start	26233	End	26466
GI	none	Score	188
Exons	26233..26466		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o3.tw	Method	TBLASTX:Wheat
Start	26457	End	26879
GI	none	Score	455
Exons	26457..26879, 26477..26617, 26639..26686, 26715..26858		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o5.tm	Method	TBLASTX:Maize
Start	26523	End	26783

GI	none	Score	271
Exons	26523..26783, 26534..26683, 26634..26756		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o8.gs	Method	GENSCAN
Start	27319	End	30142
GI	none	Score	.62
Exons	27319..27525, 27643..28005, 29723..29977, 30092..30142		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o6.np	Method	AAT/NAP
Start	27717	End	33917
GI	5852180	Score	408
Exons	27717..28090, 29089..29176, 33890..33917		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o9.gs	Method	GENSCAN
Start	31303	End	32969
GI	none	Score	.59
Exons	31303..31603, 31636..31810, 32419..32513, 32911..32969		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82200	Strand	+
Start	1735	End	2442
Name	OJ990930_12.0310.C27.o1.gs	Method	GENSCAN
Start	1735	End	2265
GI	none	Score	.46
Exons	1735..2265		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82200	Strand	+
Start	1735	End	2442
Name	OJ990930_12.0310.C27.o1.gp	Method	AAT/GAP
Start	1765	End	2442
GI	26606_2.R1084	Score	1317
Exons	1765..2442		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82201	Strand	+
Start	3021	End	12677
Name	OJ990930_12.0310.C27.o1.np	Method	AAT/NAP
Start	2614	End	5065
GI	6598399	Score	1340
Exons	2614..5065		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27

Gene No.	82201	Strand	+
Start	3021	End	12677
Name	OJ990930_12.0310.C27.o2.gs	Method	GENSCAN
Start	3021	End	4136
GI	none	Score	.51
Exons	3021..4136		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82201	Strand	+
Start	3021	End	12677
Name	OJ990930_12.0310.C27.o3.gs	Method	GENSCAN
Start	4444	End	12674
GI	none	Score	.63
Exons	4444..4995, 5322..5482, 5642..5718, 5998..6041, 6242..6451, 6507..8888, 9102..12674		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82201	Strand	+
Start	3021	End	12677
Name	OJ990930_12.0310.C27.o3.np	Method	AAT/NAP
Start	6525	End	12677
GI	7228457	Score	9289
Exons	6525..6891, 6953..8888, 8952..9786, 9909..11060, 11127..12677		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o3.tw	Method	TBLASTX:Wheat
Start	3135	End	3557
GI	none	Score	415
Exons	3135..3248, 3140..3442, 3144..3557, 3279..3443, 3477..3557		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o5.tm	Method	TBLASTX:Maize
Start	3294	End	3761
GI	none	Score	104
Exons	3294..3458, 3480..3761		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o3.ts	Method	TBLASTX:Soybean
Start	3468	End	3734
GI	none	Score	196
Exons	3468..3734		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o10.tw	Method	TBLASTX:Wheat
Start	3561	End	3773
GI	none	Score	239

Exons	3561..3773, 3572..3763		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o5.tw	Method	TBLASTX:Wheat
Start	3885	End	4278
GI	none	Score	234
Exons	3885..4118, 3923..4111, 4113..4250, 4120..4278, 4132..4275		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o4.tm	Method	TBLASTX:Maize
Start	4002	End	4374
GI	none	Score	124
Exons	4002..4127, 4010..4132, 4129..4374, 4218..4286		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o2.ts	Method	TBLASTX:Soybean
Start	4153	End	4509
GI	none	Score	165
Exons	4153..4413, 4182..4346, 4429..4509, 4437..4496		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o7.tm	Method	TBLASTX:Maize
Start	4378	End	4635
GI	none	Score	88
Exons	4378..4443, 4486..4635		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o9.tw	Method	TBLASTX:Wheat
Start	7179	End	7571
GI	none	Score	58
Exons	7179..7226, 7233..7331, 7250..7339, 7298..7537, 7314..7571		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o6.tm	Method	TBLASTX:Maize
Start	7184	End	7469
GI	none	Score	193
Exons	7184..7468, 7221..7469		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o8.tw	Method	TBLASTX:Wheat
Start	7579	End	11039
GI	none	Score	221
Exons	7579..7632, 10581..10829, 10605..10829, 10670..10843,		

10890..11039, 10901..11038

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o4.tw	Method	TBLASTX:Wheat
Start	8309	End	8795
GI	none	Score	404
Exons	8309..8446, 8310..8795, 8322..8492, 8504..8647, 8529..8738, 8717..8764		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o1.tw	Method	TBLASTX:Wheat
Start	8960	End	9422
GI	none	Score	579
Exons	8960..9421, 8961..9422		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	9090	End	9446
GI	none	Score	388
Exons	9090..9446, 9125..9436, 9141..9446		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o3.tm	Method	TBLASTX:Maize
Start	9473	End	9857
GI	none	Score	359
Exons	9473..9838, 9474..9857		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o2.tw	Method	TBLASTX:Wheat
Start	9530	End	9955
GI	none	Score	491
Exons	9530..9955, 9531..9950		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o1.ts	Method	TBLASTX:Soybean
Start	9609	End	9980
GI	none	Score	278
Exons	9609..9980, 9626..9769		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o11.tw	Method	TBLASTX:Wheat
Start	11042	End	11354
GI	none	Score	180

Exons	11042..11209, 11055..11243, 11103..11354		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o2.tm	Method	TBLASTX:Maize
Start	11547	End	11870
GI	none	Score	362
Exons	11547..11870, 11576..11857		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o6.tw	Method	TBLASTX:Wheat
Start	11684	End	12065
GI	none	Score	375
Exons	11684..11740, 11685..12065, 11688..11939, 11786..12034		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o7.tw	Method	TBLASTX:Wheat
Start	12066	End	12668
GI	none	Score	265
Exons	12066..12350, 12067..12402, 12071..12349, 12438..12512, 12542..12664, 12543..12668		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o4.gs	Method	GENSCAN
Start	13319	End	13699
GI	none	Score	.84
Exons	13319..13699		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o4.np	Method	AAT/NAP
Start	13322	End	13946
GI	5803259	Score	824
Exons	13322..13946		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39763	Seq. ID	OJ990930_12.0310.C28
Gene No.	82203	Strand	-
Start	1	End	2356
Name	OJ990930_12.0310.C28.o1.np	Method	AAT/NAP
Start	1	End	2356
GI	5803259	Score	3017
Exons	1..717, 754..996, 1096..2356		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39763	Seq. ID	OJ990930_12.0310.C28
Gene No.	82203	Strand	-
Start	1	End	2356
Name	OJ990930_12.0310.C28.o1.gs	Method	GENSCAN

Start	76	End	2356
GI	none	Score	.71
Exons	76..833, 844..996, 1175..1264, 1369..1942, 1964..2356		

Seq. No.	39763	Seq. ID	OJ990930_12.0310.C28
Gene No.	82204	Strand	-
Start	3017	End	3249
Name	OJ990930_12.0310.C28.o2.np	Method	AAT/NAP
Start	3017	End	3249
GI	7523512	Score	92
Exons	3017..3249		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82205	Strand	+
Start	1	End	1933
Name	OJ990930_12.0310.C30.o3.np	Method	AAT/NAP
Start	1	End	817
GI	6002794	Score	328
Exons	1..42, 600..817		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82205	Strand	+
Start	1	End	1933
Name	OJ990930_12.0310.C30.o1.gs	Method	GENSCAN
Start	690	End	1906
GI	none	Score	.79
Exons	690..896, 1137..1906		

Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82205	Strand	+
Start	1	End	1933
Name	OJ990930_12.0310.C30.o4.np	Method	AAT/NAP
Start	1308	End	1933
GI	4680179	Score	349
Exons	1308..1933		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82206	Strand	-
Start	1	End	1904
Name	OJ990930_12.0310.C30.o1.np	Method	AAT/NAP
Start	1	End	1724
GI	6069659	Score	114
Exons	1..197, 1679..1724		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82206	Strand	-
Start	1	End	1904
Name	OJ990930_12.0310.C30.o2.np	Method	AAT/NAP
Start	1	End	569
GI	6907088	Score	334
Exons	1..24, 329..569		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82206	Strand	-
Start	1	End	1904
Name	OJ990930_12.0310.C30.o1.tw	Method	TBLASTX:Wheat
Start	1527	End	1904
GI	none	Score	264
Exons	1527..1904, 1544..1645		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.np	Method	AAT/NAP
Start	1	End	2452
GI	4680179	Score	3114
Exons	1..2452		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o6.tw	Method	TBLASTX:Wheat
Start	1	End	148
GI	none	Score	228
Exons	1..147, 2..148		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o4.tm	Method	TBLASTX:Maize
Start	5	End	487
GI	none	Score	139
Exons	5..166, 152..487, 278..325, 313..465		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.gs	Method	GENSCAN
Start	8	End	2423
GI	none	Score	.8
Exons	8..592, 762..2423		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.ts	Method	TBLASTX:Soybean
Start	41	End	436
GI	none	Score	56
Exons	41..73, 41..73, 58..153, 77..436, 193..408		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o5.tw	Method	TBLASTX:Wheat
Start	149	End	445
GI	none	Score	366
Exons	149..445, 193..408		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o3.tw	Method	TBLASTX:Wheat
Start	451	End	875
GI	none	Score	255
Exons	451..681, 452..658, 658..726, 660..716, 726..860, 729..875		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o3.tm	Method	TBLASTX:Maize
Start	524	End	875
GI	none	Score	178
Exons	524..658, 526..660, 658..726, 699..872, 729..875		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o2.tw	Method	TBLASTX:Wheat
Start	918	End	1442
GI	none	Score	580
Exons	918..1442, 992..1438		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.tc	Method	TBLASTX:Cress
Start	1149	End	1466
GI	none	Score	97
Exons	1149..1322, 1170..1322, 1323..1466, 1325..1450		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o2.ts	Method	TBLASTX:Soybean
Start	1235	End	1490
GI	none	Score	298
Exons	1235..1480, 1242..1490, 1362..1490		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o2.tm	Method	TBLASTX:Maize
Start	1290	End	1580
GI	none	Score	382
Exons	1290..1580, 1301..1480, 1529..1576		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.tw	Method	TBLASTX:Wheat
Start	1449	End	2075
GI	none	Score	676
Exons	1449..2075, 1529..1951		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31

Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	1632	End	2225
GI	none	Score	221
Exons	1632..1790, 1635..1781, 1637..1783, 1786..1869, 1787..1969, 1787..1930, 1788..2225, 2006..2215, 2130..2225		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o4.tw	Method	TBLASTX:Wheat
Start	2075	End	2408
GI	none	Score	378
Exons	2075..2119, 2076..2408, 2083..2181, 2115..2183, 2171..2356, 2238..2387		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o5.tm	Method	TBLASTX:Maize
Start	2232	End	2393
GI	none	Score	189
Exons	2232..2390, 2235..2393		

Seq. No.	39766	Seq. ID	OJ990930_12.0310.C32
Gene No.	82208	Strand	-
Start	1	End	1246
Name	OJ990930_12.0310.C32.o1.np	Method	AAT/NAP
Start	1	End	1246
GI	6983857	Score	405
Exons	1..263, 294..769, 1019..1246		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39766	Seq. ID	OJ990930_12.0310.C32
Gene No.	82208	Strand	-
Start	1	End	1246
Name	OJ990930_12.0310.C32.o1.gs	Method	GENSCAN
Start	238	End	317
GI	none	Score	.47
Exons	238..317		

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82209	Strand	+
Start	53	End	1020
Name	OJ990930_12.0310.C33.o1.gs	Method	GENSCAN
Start	53	End	1020
GI	none	Score	.69
Exons	53..668, 698..1020		

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82210	Strand	+
Start	1907	End	2290
Name	OJ990930_12.0310.C33.o1.gp	Method	AAT/GAP
Start	1907	End	2290
GI	uC-osflcyp033a04b1	Score	673
Exons	1907..2290		

GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82211	Strand	+
Start	5333	End	5492
Name	OJ990930_12.0310.C33.o2.gp	Method	AAT/GAP
Start	5333	End	5492
GI	38782_1.R1084	Score	277
Exons	5333..5492		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82212	Strand	-
Start	1332	End	4984
Name	OJ990930_12.0310.C33.o2.gs	Method	GENSCAN
Start	1332	End	3662
GI	none	Score	.67
Exons	1332..1438, 2065..2192, 3179..3312, 3342..3662		

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82212	Strand	-
Start	1332	End	4984
Name	OJ990930_12.0310.C33.o1.np	Method	AAT/NAP
Start	3551	End	4984
GI	6907088	Score	1003
Exons	3551..3947, 4435..4672, 4848..4984		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39768	Seq. ID	OJ990930_12.0310.C34
Gene No.	82213	Strand	+
Start	1309	End	1591
Name	OJ990930_12.0310.C34.o1.gs	Method	GENSCAN
Start	1309	End	1591
GI	none	Score	.58
Exons	1309..1591		

Seq. No.	39769	Seq. ID	OJ990930_12.0310.C36
Gene No.	82214	Strand	+
Start	598	End	2823
Name	OJ990930_12.0310.C36.o1.gs	Method	GENSCAN
Start	598	End	2823
GI	none	Score	.77
Exons	598..678, 2596..2823		

Seq. No.	39770	Seq. ID	OJ990930_12.0310.C37
Gene No.	82215	Strand	-
Start	9419	End	15369
Name	OJ990930_12.0310.C37.o2.gs	Method	GENSCAN
Start	9419	End	15369
GI	none	Score	.46
Exons	9419..9478, 12030..12278, 12306..12351, 12388..12737, 12959..13034, 13904..13963, 14084..14187, 15199..15369		

Seq. No.	39770	Seq. ID	OJ990930_12.0310.C37
Gene No.	82215	Strand	-

Start	9419	End	15369
Name	OJ990930_12.0310.C37.o1.np	Method	AAT/NAP
Start	11164	End	12214
GI	6815099	Score	80
Exons	11164..11282, 12030..12214		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39771	Seq. ID	OJ990930_12.0310.C38
Gene No.	82216	Strand	+
Start	1	End	787
Name	OJ990930_12.0310.C38.o1.np	Method	AAT/NAP
Start	1	End	787
GI	4680203	Score	494
Exons	1..91, 230..787		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39771	Seq. ID	OJ990930_12.0310.C38
Gene No.	82216	Strand	+
Start	1	End	787
Name	OJ990930_12.0310.C38.o1.gs	Method	GENSCAN
Start	205	End	582
GI	none	Score	.72
Exons	205..582		

Seq. No.	39771	Seq. ID	OJ990930_12.0310.C38
Gene No.	82216	Strand	+
Start	1	End	787
Name	OJ990930_12.0310.C38.o1.tw	Method	TBLASTX:Wheat
Start	234	End	779
GI	none	Score	207
Exons	234..554, 236..277, 395..556, 602..697, 603..707, 711..779		

Seq. No.	39771	Seq. ID	OJ990930_12.0310.C38
Gene No.	82216	Strand	+
Start	1	End	787
Name	OJ990930_12.0310.C38.o1.ts	Method	TBLASTX:Soybean
Start	245	End	573
GI	none	Score	267
Exons	245..277, 279..554, 281..547, 312..572, 334..573		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o1.np	Method	AAT/NAP
Start	1	End	979
GI	4680179	Score	535
Exons	1..237, 340..979		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o2.tw	Method	TBLASTX:Wheat
Start	183	End	524
GI	none	Score	63
Exons	183..251, 209..232, 354..524, 354..506, 419..517		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o1.tm	Method	TBLASTX:Maize
Start	368	End	694
GI	none	Score	207
Exons	368..481, 369..692, 375..509, 611..694		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o1.tw	Method	TBLASTX:Wheat
Start	554	End	968
GI	none	Score	151
Exons	554..736, 555..743, 819..968, 842..961		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o2.tm	Method	TBLASTX:Maize
Start	782	End	979
GI	none	Score	38
Exons	782..832, 792..971, 842..979, 887..976		

Seq. No.	39773	Seq. ID	OJ990810_16.0310.C4
Gene No.	82218	Strand	
Start	89	End	812
Name	OJ990810_16.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	89	End	812
GI	none	Score	92
Exons	89..151, 91..153, 92..154, 146..262, 147..263, 346..564, 348..569, 351..587, 567..779, 619..753, 765..812		

Seq. No.	39774	Seq. ID	OJ990810_16.0310.C8
Gene No.	82219	Strand	
Start	357	End	543
Name	OJ990810_16.0310.C8.o2.tm	Method	TBLASTX:Maize
Start	357	End	543
GI	none	Score	151
Exons	357..542, 358..543, 358..543		

Seq. No.	39774	Seq. ID	OJ990810_16.0310.C8
Gene No.	82220	Strand	
Start	843	End	1091
Name	OJ990810_16.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	843	End	1091
GI	none	Score	206
Exons	843..1091, 843..1079, 865..1089		

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.gp	Method	AAT/GAP
Start	1	End	2800
GI	18418_2.R1084	Score	971
Exons	1..176, 2323..2436, 2559..2800		
GI Descrip.	'5541704/emb|CAB51209.1| 2.0e-47 (AL096860) 40S RIBOSOMAL		

PROTEIN S20 homolog [Arabidopsis thaliana]'

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	28	End	2661
GI	none	Score	161
Exons	28..177, 32..178, 50..178, 51..188, 2276..2437, 2314..2433, 2321..2437, 2558..2608, 2560..2610, 2561..2620, 2614..2661		

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	34	End	2649
GI	none	Score	207
Exons	34..177, 35..178, 50..178, 2319..2438, 2320..2445, 2321..2437, 2560..2628, 2561..2623, 2599..2649		

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	34	End	2616
GI	none	Score	158
Exons	34..177, 41..178, 2251..2436, 2319..2438, 2321..2437, 2560..2616		

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	35	End	2623
GI	none	Score	175
Exons	35..178, 36..191, 40..177, 2319..2438, 2320..2445, 2321..2437, 2560..2616, 2561..2623		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82222	Strand	
Start	1169	End	1519
Name	OJ990810_16.0310.C10.o4.tm	Method	TBLASTX:Maize
Start	1169	End	1408
GI	none	Score	193
Exons	1169..1408, 1285..1407		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82222	Strand	
Start	1169	End	1519
Name	OJ990810_16.0310.C10.o5.tw	Method	TBLASTX:Wheat
Start	1181	End	1519
GI	none	Score	110
Exons	1181..1279, 1186..1251, 1268..1519, 1279..1485		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o2.tw	Method	TBLASTX:Wheat

Start	2234	End	8642
GI	none	Score	411
Exons	2234..2407, 2235..2720, 2429..2689, 8542..8589, 8565..8642		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	2886	End	4737
GI	none	Score	582
Exons	2886..3347, 2888..3340, 4690..4737		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o3.ts	Method	TBLASTX:Soybean
Start	2925	End	3290
GI	none	Score	113
Exons	2925..3149, 3156..3290		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	3015	End	3371
GI	none	Score	377
Exons	3015..3371, 3056..3361, 3066..3371		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o3.tm	Method	TBLASTX:Maize
Start	3398	End	3742
GI	none	Score	274
Exons	3398..3682, 3399..3683, 3671..3742		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o3.tw	Method	TBLASTX:Wheat
Start	3456	End	3874
GI	none	Score	264
Exons	3456..3686, 3457..3639, 3459..3677, 3554..3685, 3668..3874, 3694..3870		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	3504	End	3904
GI	none	Score	145
Exons	3504..3677, 3674..3904		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o6.tw	Method	TBLASTX:Wheat

Start	4208	End	4501
GI	none	Score	263
Exons	4208..4501, 4267..4500		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	4460	End	5026
GI	5666795	Score	60
Exons	4460..4558, 4634..4771, 4826..5026		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o8.tw	Method	TBLASTX:Wheat
Start	4826	End	5086
GI	none	Score	189
Exons	4826..5086		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	5280	End	5603
GI	none	Score	364
Exons	5280..5603, 5309..5590		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o4.tw	Method	TBLASTX:Wheat
Start	5417	End	5798
GI	none	Score	368
Exons	5417..5494, 5418..5798, 5515..5658, 5522..5767		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o7.tw	Method	TBLASTX:Wheat
Start	5799	End	6401
GI	none	Score	258
Exons	5799..6083, 5804..6082, 5939..6109, 6275..6397, 6276..6401		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o5.tm	Method	TBLASTX:Maize
Start	6270	End	6413
GI	none	Score	184
Exons	6270..6413, 6275..6409		

Seq. No.	39777	Seq. ID	OJ990810_16.0310.C11
Gene No.	82224	Strand	
Start	475	End	2001
Name	OJ990810_16.0310.C11.o1.tm	Method	TBLASTX:Maize

Start	475	End	2001
GI	none	Score	81
Exons	475..567, 985..1062, 986..1060, 990..1067, 1132..1212, 1162..1212, 1284..1343, 1285..1341, 1880..1999, 1880..1927, 1882..2001		

Seq. No.	39778	Seq. ID	OJ990810_16.0310.C12
Gene No.	82225	Strand	
Start	3	End	571
Name	OJ990810_16.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	3	End	571
GI	none	Score	406
Exons	3..437, 6..269, 34..276, 140..346, 384..569, 428..571		

Seq. No.	39778	Seq. ID	OJ990810_16.0310.C12
Gene No.	82226	Strand	
Start	539	End	920
Name	OJ990810_16.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	539	End	752
GI	none	Score	236
Exons	539..751, 549..752		

Seq. No.	39778	Seq. ID	OJ990810_16.0310.C12
Gene No.	82226	Strand	
Start	539	End	920
Name	OJ990810_16.0310.C12.o2.tm	Method	TBLASTX:Maize
Start	572	End	920
GI	none	Score	284
Exons	572..763, 573..767, 576..764, 682..771, 867..920		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	
Start	681	End	1649
Name	OJ990810_16.0310.C14.o1.ts	Method	TBLASTX:Soybean
Start	681	End	1327
GI	none	Score	246
Exons	681..953, 682..954, 946..1149, 951..1148, 1136..1327		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	
Start	681	End	1649
Name	OJ990810_16.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	816	End	1649
GI	none	Score	165
Exons	816..953, 817..954, 951..1148, 952..1149, 1136..1645, 1141..1641, 1482..1649		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	
Start	681	End	1649
Name	OJ990810_16.0310.C14.o1.tc	Method	TBLASTX:Cress
Start	934	End	1351
GI	none	Score	221
Exons	934..1146, 945..1100, 1136..1351		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	

Start	681	End	1649
Name	OJ990810_16.0310.C14.o2.tc	Method	TBLASTX:Cress
Start	1369	End	1630
GI	none	Score	98
Exons	1369..1434, 1370..1435, 1475..1630, 1478..1615, 1498..1626		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	
Start	681	End	1649
Name	OJ990810_16.0310.C14.o2.ts	Method	TBLASTX:Soybean
Start	1373	End	1630
GI	none	Score	80
Exons	1373..1435, 1475..1630		

Seq. No.	39780	Seq. ID	OJ990810_16.0310.C16
Gene No.	82228	Strand	-
Start	515	End	882
Name	OJ990810_16.0310.C16.o1.gp	Method	AAT/GAP
Start	515	End	882
GI	18072_1.R1084	Score	688
Exons	515..882		
GI Descrip.	'2645165/dbj|D50573|D50573 4.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	39781	Seq. ID	OJ990810_16.0310.C17
Gene No.	82229	Strand	-
Start	1	End	100
Name	OJ990810_16.0310.C17.o1.gp	Method	AAT/GAP
Start	1	End	100
GI	425916	Score	156
Exons	1..100		
GI Descrip.	2645165/dbj|D50573|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	74	End	1858
GI	none	Score	117
Exons	74..244, 80..241, 433..582, 450..587, 451..585, 661..702, 667..774, 689..760, 901..993, 908..982, 993..1043, 994..1044, 1364..1459, 1366..1458, 1503..1637, 1537..1650, 1541..1651, 1729..1785, 1733..1843, 1734..1847, 1734..1847, 1778..1858		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.ts	Method	TBLASTX:Soybean
Start	74	End	1805
GI	none	Score	131
Exons	74..244, 92..241, 450..587, 451..585, 661..684, 688..774, 704..778, 898..966, 901..993, 908..985, 990..1040, 993..1043, 994..1044, 1364..1459, 1366..1458, 1537..1650, 1553..1651, 1729..1785, 1734..1805		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18

Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.tc	Method	TBLASTX:Cress
Start	83	End	963
GI	none	Score	97
Exons	83..256, 98..241, 132..257, 450..587, 451..585, 661..687, 662..688, 697..765, 698..766, 901..963, 908..961		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.gp	Method	AAT/GAP
Start	430	End	1489
GI	29591_1.R1084	Score	871
Exons	430..582, 665..762, 901..1041, 1367..1489		
GI Descrip.	'2645165/dbj|D50573|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o2.tw	Method	TBLASTX:Wheat
Start	661	End	1459
GI	none	Score	77
Exons	661..693, 688..765, 689..763, 901..1014, 908..982, 913..993, 993..1043, 994..1044, 1364..1459, 1366..1458		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o2.tc	Method	TBLASTX:Cress
Start	964	End	1614
GI	none	Score	119
Exons	964..993, 993..1043, 1364..1459, 1366..1458, 1525..1614, 1541..1606		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	1568	End	1829
GI	none	Score	73
Exons	1568..1651, 1570..1653, 1713..1829, 1731..1805		

Seq. No.	39783	Seq. ID	OJ990810_16.0310.C19
Gene No.	82231	Strand	-
Start	393	End	1968
Name	OJ990810_16.0310.C19.o1.gp	Method	AAT/GAP
Start	393	End	1968
GI	1631921	Score	813
Exons	393..500, 1318..1478, 1788..1968		

Seq. No.	39784	Seq. ID	OJ990810_16.0310.C20
Gene No.	82232	Strand	+
Start	1136	End	1193
Name	OJ990810_16.0310.C20.o1.gp	Method	AAT/GAP
Start	1136	End	1193

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GI            2312838                          Score    68
Exons         1136..1193
GI Descrip.   1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon
              4-coumarate-CoA ligase gene, intron 1, partial sequence

Seq. No.      39785                            Seq. ID  OJ990810_16.0310.C23
Gene No.      82233                            Strand   +
Start         785                              End      1145
Name          OJ990810_16.0310.C23.o1.gp       Method   AAT/GAP
Start         785                              End      1145
GI            LIB3431-045-P1-N1-A10            Score    617
Exons         785..1145
GI Descrip.   '5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic
              DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.      39785                            Seq. ID  OJ990810_16.0310.C23
Gene No.      82234                            Strand   -
Start         2328                             End      2826
Name          OJ990810_16.0310.C23.o2.gp       Method   AAT/GAP
Start         2328                             End      2826
GI            LIB3475-007-P1-K1-G8             Score    776
Exons         2328..2577, 2654..2826
GI Descrip.   '5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)
              corresponds to a region of the predicted gene.; Similar to maize
              transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.      39786                            Seq. ID  OJ990810_16.0310.C24
Gene No.      82235                            Strand   +
Start         2829                             End      2903
Name          OJ990810_16.0310.C24.o2.gp       Method   AAT/GAP
Start         2829                             End      2903
GI            7406_1.R1084                     Score    122
Exons         2829..2903
GI Descrip.   '1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0
              [Pennisetum glaucum]'

Seq. No.      39786                            Seq. ID  OJ990810_16.0310.C24
Gene No.      82236                            Strand   -
Start         888                              End      1362
Name          OJ990810_16.0310.C24.o1.tw       Method   TBLASTX:Wheat
Start         688                              End      1068
GI            none                             Score    79
Exons         688..864, 718..864, 749..868, 862..1059, 874..1068

Seq. No.      39786                            Seq. ID  OJ990810_16.0310.C24
Gene No.      82236                            Strand   -
Start         888                              End      1362
Name          OJ990810_16.0310.C24.o1.tm       Method   TBLASTX:Maize
Start         766                              End      1362
GI            none                             Score    153
Exons         766..837, 901..1200, 962..1183, 1234..1362, 1256..1354

Seq. No.      39786                            Seq. ID  OJ990810_16.0310.C24
Gene No.      82236                            Strand   -
Start         888                              End      1362
Name          OJ990810_16.0310.C24.o1.gp       Method   AAT/GAP
Start         888                              End      1319
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GI	5701669	Score	841
Exons	888..1319		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39787	Seq. ID	OJ990810_16.0310.C26
Gene No.	82237	Strand	
Start	214	End	886
Name	OJ990810_16.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	214	End	886
GI	none	Score	56
Exons	214..288, 219..287, 219..302, 220..288, 746..886, 746..883, 763..885		

Seq. No.	39788	Seq. ID	OJ990810_16.0310.C28
Gene No.	82238	Strand	+
Start	332	End	1570
Name	OJ990810_16.0310.C28.o1.tc	Method	TBLASTX:Cress
Start	96	End	1570
GI	none	Score	114
Exons	96..233, 106..234, 124..228, 232..342, 244..330, 256..342, 494..607, 497..637, 505..603, 512..601, 1505..1570, 1516..1569		

Seq. No.	39788	Seq. ID	OJ990810_16.0310.C28
Gene No.	82238	Strand	+
Start	332	End	1570
Name	OJ990810_16.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	109	End	1560
GI	none	Score	133
Exons	109..225, 122..208, 123..224, 136..225, 139..264, 219..269, 222..356, 223..357, 253..333, 488..604, 490..606, 491..604, 500..604, 506..583, 1504..1560, 1505..1555		

Seq. No.	39788	Seq. ID	OJ990810_16.0310.C28
Gene No.	82238	Strand	+
Start	332	End	1570
Name	OJ990810_16.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	126	End	1570
GI	none	Score	119
Exons	126..233, 127..234, 136..237, 231..311, 232..342, 253..345, 265..330, 503..601, 506..601, 518..601, 1505..1570		

Seq. No.	39788	Seq. ID	OJ990810_16.0310.C28
Gene No.	82238	Strand	+
Start	332	End	1570
Name	OJ990810_16.0310.C28.o1.gp	Method	AAT/GAP
Start	332	End	1570
GI	none	Score	309
Exons	332..355, 495..604, 1502..1570		

Seq. No.	39789	Seq. ID	OJ990810_16.0310.C29
Gene No.	82239	Strand	-
Start	91	End	782
Name	OJ990810_16.0310.C29.o1.tc	Method	TBLASTX:Cress
Start	2	End	460
GI	none	Score	60

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Exons        2..142, 173..460, 303..455

Seq. No.     39789                          Seq. ID  OJ990810_16.0310.C29
Gene No.     82239                          Strand   -
Start        91                             End      782
Name         OJ990810_16.0310.C29.o2.tm     Method   TBLASTX:Maize
Start        2                              End      262
GI           none                           Score    128
Exons        2..178, 5..166, 75..173, 186..254, 188..262, 190..261, 194..262

Seq. No.     39789                          Seq. ID  OJ990810_16.0310.C29
Gene No.     82239                          Strand   -
Start        91                             End      782
Name         OJ990810_16.0310.C29.o1.ts     Method   TBLASTX:Soybean
Start        2                              End      775
GI           none                           Score    92
Exons        2..151, 231..428, 233..445, 563..703, 713..775

Seq. No.     39789                          Seq. ID  OJ990810_16.0310.C29
Gene No.     82239                          Strand   -
Start        91                             End      782
Name         OJ990810_16.0310.C29.o1.gp     Method   AAT/GAP
Start        91                             End      552
GI           LIB3477-001-P1-K1-C3           Score    876
Exons        91..552
GI Descrip.  '4835235/emb|CAB42913.1| 1.0e-18 (AL049862) putative protein
             [Arabidopsis thaliana]'

Seq. No.     39789                          Seq. ID  OJ990810_16.0310.C29
Gene No.     82239                          Strand   -
Start        91                             End      782
Name         OJ990810_16.0310.C29.o1.tm     Method   TBLASTX:Maize
Start        377                            End      782
GI           none                           Score    71
Exons        377..499, 378..455, 540..782, 563..781

Seq. No.     39790                          Seq. ID  OJ990810_16.0310.C32
Gene No.     82240                          Strand   +
Start        1557                           End      1881
Name         OJ990810_16.0310.C32.o1.gp     Method   AAT/GAP
Start        1557                           End      1881
GI           none                           Score    614
Exons        1557..1881

Seq. No.     39791                          Seq. ID  OJ990810_16.0310.C35
Gene No.     82241                          Strand   +
Start        2827                           End      3343
Name         OJ990810_16.0310.C35.o1.tw     Method   TBLASTX:Wheat
Start        3                              End      290
GI           none                           Score    82
Exons        3..236, 3..290, 109..285

Seq. No.     39791                          Seq. ID  OJ990810_16.0310.C35
Gene No.     82241                          Strand   +
Start        2827                           End      3343
Name         OJ990810_16.0310.C35.o1.gp     Method   AAT/GAP
Start        2827                           End      3343
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GI	uC-osflM202048c12b1	Score	833
Exons	2827..3343		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o3.tm	Method	TBLASTX:Maize
Start	286	End	532
GI	none	Score	181
Exons	286..327, 320..532		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o3.tw	Method	TBLASTX:Wheat
Start	341	End	716
GI	none	Score	53
Exons	341..682, 534..581, 557..679, 600..698, 672..716		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o1.tm	Method	TBLASTX:Maize
Start	536	End	1163
GI	none	Score	72
Exons	536..682, 666..1004, 702..890, 703..1005, 1000..1155, 1002..1163, 1009..1155, 1011..1157		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o1.tw	Method	TBLASTX:Wheat
Start	717	End	1343
GI	none	Score	368
Exons	717..1343, 718..1341		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o2.tm	Method	TBLASTX:Maize
Start	1212	End	1503
GI	none	Score	281
Exons	1212..1502, 1216..1503		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o1.ts	Method	TBLASTX:Soybean
Start	1302	End	1562
GI	none	Score	85
Exons	1302..1538, 1302..1562, 1303..1560		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689

Name	OJ990810_16.0310.C36.o2.tw	Method	TBLASTX:Wheat
Start	1350	End	1689
GI	none	Score	279
Exons	1350..1688, 1351..1689		

Seq. No.	39793	Seq. ID	OJ990810_16.0310.C38
Gene No.	82243	Strand	+
Start	1161	End	1420
Name	OJ990810_16.0310.C38.o1.gp	Method	AAT/GAP
Start	1161	End	1420
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	1161..1420		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	39794	Seq. ID	OJ990810_16.0310.C41
Gene No.	82244	Strand	-
Start	993	End	1374
Name	OJ990810_16.0310.C41.o1.gp	Method	AAT/GAP
Start	993	End	1374
GI	uC-osflcyp033a04b1	Score	643
Exons	993..1374		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39795	Seq. ID	OJ990810_16.0310.C42
Gene No.	82245	Strand	
Start	507	End	955
Name	OJ990810_16.0310.C42.o1.tm	Method	TBLASTX:Maize
Start	507	End	838
GI	none	Score	323
Exons	507..836, 602..838		

Seq. No.	39795	Seq. ID	OJ990810_16.0310.C42
Gene No.	82245	Strand	
Start	507	End	955
Name	OJ990810_16.0310.C42.o1.tw	Method	TBLASTX:Wheat
Start	576	End	955
GI	none	Score	136
Exons	576..770, 603..770, 762..815, 839..955		

Seq. No.	39795	Seq. ID	OJ990810_16.0310.C42
Gene No.	82246	Strand	
Start	884	End	1126
Name	OJ990810_16.0310.C42.o2.tm	Method	TBLASTX:Maize
Start	884	End	1126
GI	none	Score	197
Exons	884..1126, 889..987, 1066..1125		

Seq. No.	39796	Seq. ID	OJ990810_16.0310.C47
Gene No.	82247	Strand	
Start	127	End	711
Name	OJ990810_16.0310.C47.o1.ts	Method	TBLASTX:Soybean
Start	127	End	498
GI	none	Score	174
Exons	127..315, 135..314, 170..328, 387..497, 388..498		

Seq. No.	39796	Seq. ID	OJ990810_16.0310.C47
Gene No.	82247	Strand	
Start	127	End	711
Name	OJ990810_16.0310.C47.o1.tc	Method	TBLASTX:Cress
Start	135	End	711
GI	none	Score	112
Exons	135..314, 150..314, 151..348, 151..327, 387..497, 388..498, 497..520, 637..711		

Seq. No.	39796	Seq. ID	OJ990810_16.0310.C47
Gene No.	82247	Strand	
Start	127	End	711
Name	OJ990810_16.0310.C47.o2.tm	Method	TBLASTX:Maize
Start	156	End	498
GI	none	Score	123
Exons	156..314, 160..351, 387..497, 388..498		

Seq. No.	39796	Seq. ID	OJ990810_16.0310.C47
Gene No.	82248	Strand	
Start	635	End	892
Name	OJ990810_16.0310.C47.o1.tm	Method	TBLASTX:Maize
Start	635	End	892
GI	none	Score	234
Exons	635..805, 637..816, 639..824, 640..810, 791..892, 806..892		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o1.tm	Method	TBLASTX:Maize
Start	136	End	3037
GI	none	Score	140
Exons	136..198, 137..199, 2021..2080, 2028..2105, 2029..2094, 2204..2284, 2204..2290, 2208..2291, 2380..2508, 2381..2512, 2382..2486, 2448..2612, 2517..2564, 2553..2636, 2564..2641, 2566..2637, 2631..2696, 2632..2727, 2635..2742, 2748..2885, 2753..2878, 2799..2885, 2903..3037		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o2.tm	Method	TBLASTX:Maize
Start	3577	End	5903
GI	none	Score	62
Exons	3577..3669, 3578..3685, 3685..3756, 4850..5125, 4913..5098, 5183..5239, 5264..5425, 5265..5375, 5376..5405, 5471..5566, 5519..5566, 5756..5902, 5757..5903		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o1.ts	Method	TBLASTX:Soybean
Start	4850	End	5566
GI	none	Score	68
Exons	4850..5125, 4851..4997, 5091..5117, 5183..5257, 5264..5425, 5265..5369, 5471..5566		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49

Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o1.tc	Method	TBLASTX:Cress
Start	4868	End	5242
GI	none	Score	66
Exons	4868..5125, 5183..5242		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o2.tw	Method	TBLASTX:Wheat
Start	4952	End	5239
GI	none	Score	70
Exons	4952..5113, 5183..5239		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o3.tw	Method	TBLASTX:Wheat
Start	5276	End	5518
GI	none	Score	85
Exons	5276..5425, 5277..5426, 5468..5518		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o3.tm	Method	TBLASTX:Maize
Start	6372	End	6619
GI	none	Score	226
Exons	6372..6479, 6455..6619, 6456..6602		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o1.tw	Method	TBLASTX:Wheat
Start	6452	End	6619
GI	none	Score	210
Exons	6452..6619, 6453..6605		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o3.gp	Method	AAT/GAP
Start	6635	End	7069
GI	none	Score	753
Exons	6635..7069		

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.tm	Method	TBLASTX:Maize
Start	1587	End	15006
GI	none	Score	92
Exons	1587..1748, 1815..2051, 1819..1992, 2358..2453, 2469..2507, 4554..4634, 4647..4808, 4651..4806, 4884..4940, 4888..4935, 4953..5063, 4987..5064, 5460..5588, 9244..9495, 9365..9544, 9535..9735, 9620..9715, 10126..10245, 11704..11796,		

11833..11907, 11992..12060, 12145..12243, 12415..12492, 14137..14202, 14224..14331, 14332..14505, 14336..14461, 14572..14628, 14854..15006

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.ts	Method	TBLASTX:Soybean
Start	1587	End	14628
GI	none	Score	92
Exons	1587..1748, 1815..2051, 1894..1992, 4554..4634, 4618..4806, 4647..4808, 4884..4940, 4941..5072, 4987..5070, 9317..9364, 9364..9495, 9365..9544, 9535..9735, 9620..9712, 11704..11796, 11845..11907, 11992..12102, 12139..12237, 13927..14202, 13940..14194, 14224..14331, 14314..14505, 14330..14452, 14572..14628		

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.tc	Method	TBLASTX:Cress
Start	1590	End	14415
GI	none	Score	71
Exons	1590..1745, 1815..1844, 1917..1964, 4578..4805, 4884..4913, 4953..5039, 9322..9519, 9535..9579, 9649..9699, 11704..11796, 14035..14202, 14359..14415		

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.tw	Method	TBLASTX:Wheat
Start	1590	End	14202
GI	none	Score	78
Exons	1590..1745, 1815..1871, 4566..4805, 4884..4940, 9322..9504, 9535..9603, 11704..11862, 11839..11907, 14035..14202		

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.gp	Method	AAT/GAP
Start	6380	End	6982
GI	none	Score	607
Exons	6380..6615, 6698..6818, 6910..6982		

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82251	Strand	
Start	17742	End	17959
Name	OJ990810_16.0310.C50.o2.tm	Method	TBLASTX:Maize
Start	17742	End	17959
GI	none	Score	53
Exons	17742..17786, 17758..17952, 17789..17959		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82252	Strand	-
Start	4332	End	4636
Name	OJ990810_16.0310.C53.o1.tm	Method	TBLASTX:Maize
Start	279	End	1040

GI	none	Score	213
Exons	279..503, 279..500, 281..511, 281..505, 915..1025, 959..1024, 969..1040		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82252	Strand	-
Start	4332	End	4636
Name	OJ990810_16.0310.C53.o1.tw	Method	TBLASTX:Wheat
Start	1444	End	1647
GI	none	Score	85
Exons	1444..1491, 1444..1491, 1445..1495, 1471..1647, 1493..1645		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82252	Strand	-
Start	4332	End	4636
Name	OJ990810_16.0310.C53.o2.tm	Method	TBLASTX:Maize
Start	1445	End	1662
GI	none	Score	147
Exons	1445..1492, 1495..1662, 1499..1651, 1522..1659		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82252	Strand	-
Start	4332	End	4636
Name	OJ990810_16.0310.C53.o1.gp	Method	AAT/GAP
Start	4332	End	4636
GI	none	Score	506
Exons	4332..4636		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82253	Strand	
Start	5940	End	6267
Name	OJ990810_16.0310.C53.o1.ts	Method	TBLASTX:Soybean
Start	5940	End	6267
GI	none	Score	66
Exons	5940..6044, 5959..6051, 6121..6267, 6140..6256, 6148..6258		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.o1.tm	Method	TBLASTX:Maize
Start	217	End	643
GI	none	Score	115
Exons	217..285, 218..289, 219..299, 381..503, 394..501, 491..643, 492..614		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.o1.tc	Method	TBLASTX:Cress
Start	218	End	691
GI	none	Score	93
Exons	218..331, 219..332, 384..503, 391..501, 465..614, 491..691		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.o1.gp	Method	AAT/GAP

Start	219	End	719
GI	738_1.R1084	Score	773
Exons	219..289, 381..719		
GI Descrip.	'730580/sp|P41095|RLA0_ORYSA 1.0e-147 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]'		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.o1.ts	Method	TBLASTX:Soybean
Start	381	End	643
GI	none	Score	98
Exons	381..503, 391..501, 459..503, 491..589, 495..572, 593..643		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.o1.tw	Method	TBLASTX:Wheat
Start	381	End	643
GI	none	Score	137
Exons	381..503, 394..501, 456..503, 491..643, 495..614, 519..587		

Seq. No.	39801	Seq. ID	OJ990810_16.0310.C59
Gene No.	82255	Strand	-
Start	1	End	394
Name	OJ990810_16.0310.C59.o1.gp	Method	AAT/GAP
Start	1	End	394
GI	67792_1.R1084	Score	733
Exons	1..394		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39801	Seq. ID	OJ990810_16.0310.C59
Gene No.	82256	Strand	
Start	361	End	781
Name	OJ990810_16.0310.C59.o1.ts	Method	TBLASTX:Soybean
Start	361	End	762
GI	none	Score	99
Exons	361..504, 544..759, 590..760, 643..762		

Seq. No.	39801	Seq. ID	OJ990810_16.0310.C59
Gene No.	82256	Strand	
Start	361	End	781
Name	OJ990810_16.0310.C59.o1.tm	Method	TBLASTX:Maize
Start	364	End	781
GI	none	Score	49
Exons	364..507, 369..428, 397..498, 410..508, 553..759, 554..760, 637..762, 662..781		

Seq. No.	39801	Seq. ID	OJ990810_16.0310.C59
Gene No.	82256	Strand	
Start	361	End	781
Name	OJ990810_16.0310.C59.o1.tc	Method	TBLASTX:Cress
Start	391	End	744
GI	none	Score	61
Exons	391..513, 571..744, 575..697		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o3.tw	Method	TBLASTX:Wheat
Start	1	End	125
GI	none	Score	102
Exons	1..117, 2..124, 3..125		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o1.tm	Method	TBLASTX:Maize
Start	3	End	473
GI	none	Score	173
Exons	3..473, 52..438		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o1.tw	Method	TBLASTX:Wheat
Start	126	End	500
GI	none	Score	318
Exons	126..485, 127..480, 129..500, 130..492		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o1.ts	Method	TBLASTX:Soybean
Start	240	End	635
GI	none	Score	164
Exons	240..485, 250..480, 297..494, 454..597, 455..598, 546..599, 603..635, 603..635		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o2.tw	Method	TBLASTX:Wheat
Start	518	End	743
GI	none	Score	146
Exons	518..679, 522..674, 549..698, 553..690, 702..743		

Seq. No.	39803	Seq. ID	OJ990730_06.0310.C1
Gene No.	82258	Strand	+
Start	1	End	4473
Name	OJ990730_06.0310.C1.o1.np	Method	AAT/NAP
Start	1	End	2554
GI	5441880	Score	686
Exons	1..285, 835..973, 1082..1580, 1679..2554		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39803	Seq. ID	OJ990730_06.0310.C1
Gene No.	82258	Strand	+
Start	1	End	4473
Name	OJ990730_06.0310.C1.o2.np	Method	AAT/NAP

Start 1 End 3562
GI 7228438 Score 364
Exons 1..50, 1279..1549, 1640..1790, 3141..3562
GI Descrip. (AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
Gene No. 82258 Strand +
Start 1 End 4473
Name OJ990730_06.0310.C1.o1.gs Method GENSCAN
Start 90 End 4473
GI none Score .46
Exons 90..405, 820..936, 1049..1138, 1227..1297, 1460..1549, 1640..1834, 1857..1895, 2034..2113, 2162..2169, 2208..2506, 3242..3562, 4339..4473

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
Gene No. 82258 Strand +
Start 1 End 4473
Name OJ990730_06.0310.C1.o1.gp Method AAT/GAP
Start 1088 End 2224
GI LIB3433-020-P1-K1-A6 Score 750
Exons 1088..1130, 1840..2224
GI Descrip. '5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
Gene No. 82259 Strand +
Start 4662 End 8056
Name OJ990730_06.0310.C1.o2.gs Method GENSCAN
Start 4662 End 7822
GI none Score .69
Exons 4662..4820, 4914..4966, 5075..5141, 5241..5296, 5599..5651, 5796..5914, 6290..6378, 6987..7077, 7172..7267, 7361..7486, 7565..7822

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
Gene No. 82259 Strand +
Start 4662 End 8056
Name OJ990730_06.0310.C1.o3.np Method AAT/NAP
Start 4662 End 8056
GI 6560748 Score 375
Exons 4662..4880, 5073..5141, 5835..5998, 6290..6378, 6987..7131, 7172..7261, 7361..7486, 7565..7822, 8027..8056
GI Descrip. (AC010155) F3M18.1 [Arabidopsis thaliana] gi|6691212|gb|AAF24550.1|AC007508_13 (AC007508) F1K23.17 [Arabidopsis thaliana]

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
Gene No. 82259 Strand +
Start 4662 End 8056
Name OJ990730_06.0310.C1.o1.tm Method TBLASTX:Maize
Start 6290 End 7588
GI none Score 112
Exons 6290..6388, 6293..6385, 6967..7077, 6984..7076, 6985..7077, 7165..7263, 7169..7267, 7169..7264, 7352..7486, 7358..7504,

7363..7488, 7562..7588

Seq. No.	39803	Seq. ID	OJ990730_06.0310.C1
Gene No.	82259	Strand	+
Start	4662	End	8056
Name	OJ990730_06.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	7193	End	7824
GI	none	Score	71
Exons	7193..7270, 7360..7497, 7364..7498, 7591..7821, 7592..7822, 7723..7824		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82260	Strand	+
Start	1035	End	3056
Name	OJ990730_06.0310.C2.o1.gs	Method	GENSCAN
Start	1035	End	3056
GI	none	Score	.89
Exons	1035..1251, 1294..1523, 2175..2255, 2478..2642, 2685..2834, 2952..3056		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82260	Strand	+
Start	1035	End	3056
Name	OJ990730_06.0310.C2.o1.gp	Method	AAT/GAP
Start	1044	End	2509
GI	LIB3432-046-P1-K1-B4	Score	849
Exons	1044..1200, 1294..1523, 2175..2255, 2478..2509		
GI Descrip.	'4646202/gb|AAD26875.1|AC007230_9 5.0e-39 (AC007230) ESTs gb_H76289 and gb_H76537 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82260	Strand	+
Start	1035	End	3056
Name	OJ990730_06.0310.C2.o1.np	Method	AAT/NAP
Start	1311	End	2846
GI	4646202	Score	611
Exons	1311..1523, 2175..2255, 2478..2846		
GI Descrip.	(AC007230) ESTs gb|H76289 and gb|H76537 come from this gene. [Arabidopsis thaliana]		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	973	End	1493
GI	none	Score	79
Exons	973..1038, 984..1037, 1167..1208, 1326..1448, 1341..1493		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	1350	End	2255
GI	none	Score	243
Exons	1350..1526, 1409..1525, 2169..2255, 2183..2254		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	1350	End	3158
GI	none	Score	232
Exons	1350..1523, 1409..1525, 2169..2255, 2183..2254, 2477..2545, 2478..2552, 2562..2789, 2570..2752, 2664..2834, 2795..2833, 2955..3056, 2984..3055, 3135..3158		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	2189	End	2983
GI	none	Score	111
Exons	2189..2254, 2190..2255, 2191..2259, 2456..2764, 2474..2749, 2478..2768, 2748..2834, 2795..2830, 2937..2981, 2945..2983		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o2.np	Method	AAT/NAP
Start	3358	End	4576
GI	4678202	Score	52
Exons	3358..3393, 4424..4576		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o2.gs	Method	GENSCAN
Start	4052	End	5782
GI	none	Score	.46
Exons	4052..4587, 5653..5782		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82262	Strand	+
Start	6408	End	12574
Name	OJ990730_06.0310.C3.o2.gs	Method	GENSCAN
Start	6408	End	12277
GI	none	Score	.62
Exons	6408..6510, 6655..6698, 7421..7937, 8252..8328, 9515..9615, 10318..10466, 11369..11726, 11922..12021, 12143..12277		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82262	Strand	+
Start	6408	End	12574
Name	OJ990730_06.0310.C3.o1.gp	Method	AAT/GAP
Start	11262	End	12574
GI	804_1.R1084	Score	1862
Exons	11262..11726, 11922..12021, 12143..12574		
GI Descrip.	'2570517 7.0e-47 (AF022741) thioredoxin F isoform [Oryza sativa]'		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82262	Strand	+

Start	6408	End	12574
Name	OJ990730_06.0310.C3.o1.np	Method	AAT/NAP
Start	11398	End	12192
GI	7489485	Score	688
Exons	11398..11726, 11922..12021, 12143..12192		
GI Descrip.	hypothetical protein - rice gi|2570517|gb|AAB82144.1| (AF022741) thioredoxin F isoform [Oryza sativa]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82263	Strand	+
Start	17269	End	19198
Name	OJ990730_06.0310.C3.o4.gs	Method	GENSCAN
Start	17269	End	19198
GI	none	Score	.43
Exons	17269..17562, 18082..18599, 18628..19198		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82263	Strand	+
Start	17269	End	19198
Name	OJ990730_06.0310.C3.o2.gp	Method	AAT/GAP
Start	18224	End	18456
GI	99156_1.R1084	Score	439
Exons	18224..18456		
GI Descrip.	'2213590 7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]'		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82264	Strand	+
Start	24125	End	25310
Name	OJ990730_06.0310.C3.o6.gs	Method	GENSCAN
Start	24125	End	25310
GI	none	Score	.56
Exons	24125..24233, 24886..24984, 25135..25310		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82265	Strand	+
Start	26074	End	31640
Name	OJ990730_06.0310.C3.o7.gs	Method	GENSCAN
Start	26074	End	31640
GI	none	Score	.65
Exons	26074..26239, 26290..26317, 26419..26515, 26790..27041, 27227..27356, 28842..28961, 29493..29940, 30743..31640		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82265	Strand	+
Start	26074	End	31640
Name	OJ990730_06.0310.C3.o4.np	Method	AAT/NAP
Start	27856	End	31619
GI	6358806	Score	1269
Exons	27856..27961, 28766..29126, 29360..29940, 30743..31619		
GI Descrip.	(AC010675) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82266	Strand	-
Start	11556	End	16287
Name	OJ990730_06.0310.C3.o2.np	Method	AAT/NAP
Start	11556	End	16287
GI	7485181	Score	668

Exons	11556..11585, 13655..14300, 14379..14859, 16262..16287		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245038|emb|CAB10457.1| (Z97342) hypothetical protein [Arabidopsis thaliana] gi|7268435|emb|CAB80955.1| (AL161545) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82266	Strand	-
Start	11556	End	16287
Name	OJ990730_06.0310.C3.o3.gs	Method	GENSCAN
Start	13636	End	14718
GI	none	Score	.48
Exons	13636..14718		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82267	Strand	-
Start	28758	End	29103
Name	OJ990730_06.0310.C3.o3.gp	Method	AAT/GAP
Start	28758	End	29103
GI	568796	Score	628
Exons	28758..29103		
GI Descrip.	2213590 7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82268	Strand	-
Start	32298	End	32631
Name	OJ990730_06.0310.C3.o8.gs	Method	GENSCAN
Start	32298	End	32623
GI	none	Score	.97
Exons	32298..32423, 32525..32623		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82268	Strand	-
Start	32298	End	32631
Name	OJ990730_06.0310.C3.o5.np	Method	AAT/NAP
Start	32310	End	32631
GI	6648212	Score	166
Exons	32310..32423, 32525..32631		
GI Descrip.	(AC013483) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o4.tm	Method	TBLASTX:Maize
Start	11512	End	12277
GI	none	Score	73
Exons	11512..11586, 11523..11585, 11653..11727, 11655..11729, 11904..11972, 11909..12019, 11920..12021, 11923..12021, 12134..12277, 12148..12276		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o4.tc	Method	TBLASTX:Cress
Start	11653	End	12274
GI	none	Score	121
Exons	11653..11727, 11655..11729, 11923..12021, 12134..12274,		

12146..12256, 12148..12270

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o4.ts	Method	TBLASTX:Soybean
Start	11653	End	12277
GI	none	Score	125
Exons	11653..11727, 11655..11729, 11922..11972, 11923..12021, 11941..12003, 12134..12277, 12145..12273		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o2.ts	Method	TBLASTX:Soybean
Start	13666	End	34365
GI	none	Score	136
Exons	13666..14112, 13679..14098, 33910..34365, 34049..34132, 34175..34342		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o2.tm	Method	TBLASTX:Maize
Start	13678	End	35610
GI	none	Score	162
Exons	13678..14424, 13820..14116, 14134..14520, 14275..14439, 14368..14601, 14404..14598, 14425..14598, 14521..14691, 14525..14704, 14578..14694, 14674..14877, 14716..14877, 14764..14877, 14764..14862, 33914..34126, 33922..34839, 34157..34324, 34333..34650, 34400..34645, 34654..34965, 34663..34965, 34664..35059, 34730..34960, 34882..35055, 34900..35238, 34909..35610, 35284..35574		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o5.tc	Method	TBLASTX:Cress
Start	13681	End	34131
GI	none	Score	137
Exons	13681..13995, 13682..13987, 13723..13998, 33916..34131		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o1.tw	Method	TBLASTX:Wheat
Start	13990	End	35610
GI	none	Score	52
Exons	13990..14466, 14228..14296, 14344..14439, 14377..14598, 14450..14572, 14581..14781, 34222..34650, 34223..34675, 34276..34401, 34672..34833, 34873..34992, 34915..35259, 35284..35610, 35294..35590		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o2.tc	Method	TBLASTX:Cress

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Start        14011                           End      35694
GI           none                            Score    70
Exons        14011..14142, 14012..14122, 14122..14691, 14266..14553,
             14359..14436, 14443..14784, 14444..14578, 14611..14877,
             14620..14691, 14668..14874, 34164..34208, 34243..34368,
             34357..34641, 34369..34530, 34385..34678, 34430..34528,
             34615..35085, 34672..34800, 34675..34803, 34675..34956,
             34960..35574, 34978..35259, 35206..35694, 35284..35445

Seq. No.     39805                           Seq. ID  OJ990730_06.0310.C3
Gene No.     82269                           Strand   -
Start        32532                           End      35727
Name         OJ990730_06.0310.C3.o6.ts       Method   TBLASTX:Soybean
Start        14191                           End      35700
GI           none                            Score    74
Exons        14191..14574, 14401..14544, 14447..14572, 14494..14616,
             14530..14661, 14531..14662, 14623..14760, 34369..34506,
             34673..34810, 34675..34812, 34732..35109, 35035..35259,
             35281..35421, 35341..35700

Seq. No.     39805                           Seq. ID  OJ990730_06.0310.C3
Gene No.     82269                           Strand   -
Start        32532                           End      35727
Name         OJ990730_06.0310.C3.o3.tm       Method   TBLASTX:Maize
Start        18722                           End      19048
GI           none                            Score    82
Exons        18722..18793, 18723..18794, 18788..19048, 18789..19022

Seq. No.     39805                           Seq. ID  OJ990730_06.0310.C3
Gene No.     82269                           Strand   -
Start        32532                           End      35727
Name         OJ990730_06.0310.C3.o3.ts       Method   TBLASTX:Soybean
Start        18723                           End      19048
GI           none                            Score    186
Exons        18723..18938, 18725..19048, 18993..19022

Seq. No.     39805                           Seq. ID  OJ990730_06.0310.C3
Gene No.     82269                           Strand   -
Start        32532                           End      35727
Name         OJ990730_06.0310.C3.o3.tc       Method   TBLASTX:Cress
Start        18725                           End      19045
GI           none                            Score    138
Exons        18725..19045, 18747..18941

Seq. No.     39805                           Seq. ID  OJ990730_06.0310.C3
Gene No.     82269                           Strand   -
Start        32532                           End      35727
Name         OJ990730_06.0310.C3.o1.tc       Method   TBLASTX:Cress
Start        28838                           End      31553
GI           none                            Score    117
Exons        28838..29035, 29432..29845, 29689..29844, 30759..30983,
             30969..31184, 31028..31162, 31185..31553, 31193..31471

Seq. No.     39805                           Seq. ID  OJ990730_06.0310.C3
Gene No.     82269                           Strand   -
Start        32532                           End      35727
Name         OJ990730_06.0310.C3.o7.ts       Method   TBLASTX:Soybean
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Start	28838	End	29584
GI	none	Score	210
Exons	28838..29059, 28843..28896, 28933..29055, 29360..29584, 29494..29583		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	28838	End	31568
GI	none	Score	182
Exons	28838..29059, 28846..29130, 29432..29845, 29464..29556, 29591..29722, 29605..29826, 29879..29941, 30809..30919, 30810..30962, 30968..31162, 30969..31190, 31179..31406, 31193..31390, 31407..31568		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o5.ts	Method	TBLASTX:Soybean
Start	29585	End	30827
GI	none	Score	248
Exons	29585..29845, 29605..29844, 30741..30827		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	30828	End	31496
GI	none	Score	108
Exons	30828..30950, 30963..31193, 31013..31186, 31190..31465, 31194..31496		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o2.tw	Method	TBLASTX:Wheat
Start	31215	End	31544
GI	none	Score	227
Exons	31215..31544, 31229..31471		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o6.np	Method	AAT/NAP
Start	32532	End	35727
GI	7363286	Score	703
Exons	32532..32576, 33890..35727		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F4I10; vegetative storage protein. (AL035525) [Oryza sativa]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o9.gs	Method	GENSCAN
Start	33889	End	35682

GI	none	Score	.57
Exons	33889..35682		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82270	Strand	+
Start	187	End	494
Name	OJ990730_06.0310.C4.o1.gs	Method	GENSCAN
Start	187	End	494
GI	none	Score	.58
Exons	187..223, 373..494		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82271	Strand	+
Start	2139	End	2426
Name	OJ990730_06.0310.C4.o1.gp	Method	AAT/GAP
Start	2139	End	2426
GI	45653_1.R1084	Score	576
Exons	2139..2426		
GI Descrip.	'2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]'		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82272	Strand	+
Start	4955	End	5927
Name	OJ990730_06.0310.C4.o3.gs	Method	GENSCAN
Start	4955	End	5675
GI	none	Score	.77
Exons	4955..5107, 5471..5675		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82272	Strand	+
Start	4955	End	5927
Name	OJ990730_06.0310.C4.o3.np	Method	AAT/NAP
Start	4961	End	5927
GI	4836924	Score	367
Exons	4961..5927		
GI Descrip.	(AC007153) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	2250	End	3665
GI	none	Score	115
Exons	2250..2282, 2370..2462, 2371..2460, 2372..2461, 2437..2478, 2537..2590, 2548..2682, 2549..2668, 2550..2669, 2706..2747, 3004..3243, 3009..3242, 3115..3243, 3355..3426, 3360..3428, 3514..3582, 3516..3665		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o2.gs	Method	GENSCAN
Start	2379	End	3677
GI	none	Score	.96
Exons	2379..2459, 2506..2672, 3023..3241, 3359..3425, 3516..3677		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4

Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o1.np	Method	AAT/NAP
Start	2385	End	3752
GI	6648200	Score	508
Exons	2385..2459, 2548..2672, 3023..3241, 3359..3425, 3516..3752		
GI Descrip.	(AC013483) putative RHO GDP-dissociation inhibitor 1 [Arabidopsis thaliana]		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o2.tc	Method	TBLASTX:Cress
Start	3016	End	3428
GI	none	Score	101
Exons	3016..3120, 3018..3125, 3142..3243, 3162..3242, 3355..3426, 3360..3428		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o2.gp	Method	AAT/GAP
Start	3098	End	3763
GI	2427835	Score	824
Exons	3098..3241, 3359..3425, 3516..3763		
GI Descrip.	2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	3144	End	3560
GI	none	Score	76
Exons	3144..3245, 3151..3234, 3360..3446, 3361..3426, 3510..3560		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82274	Strand	
Start	5354	End	5785
Name	OJ990730_06.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	5354	End	5707
GI	none	Score	245
Exons	5354..5707, 5450..5638, 5455..5685		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82274	Strand	
Start	5354	End	5785
Name	OJ990730_06.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	5386	End	5785
GI	none	Score	261
Exons	5386..5775, 5387..5785, 5401..5784		

Seq. No.	39807	Seq. ID	OJ990730_06.0310.C5
Gene No.	82275	Strand	-
Start	231	End	975
Name	OJ990730_06.0310.C5.o1.gs	Method	GENSCAN
Start	231	End	975
GI	none	Score	.81

Exons	231..975		

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82276	Strand	+
Start	2336	End	3822
Name	OJ990730_06.0310.C9.o1.gs	Method	GENSCAN
Start	2336	End	3822
GI	none	Score	.64
Exons	2336..2562, 3642..3822		

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82277	Strand	+
Start	4871	End	6783
Name	OJ990730_06.0310.C9.o2.gs	Method	GENSCAN
Start	4871	End	6783
GI	none	Score	.48
Exons	4871..4997, 5395..5553, 6635..6783		

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82278	Strand	-
Start	8682	End	11609
Name	OJ990730_06.0310.C9.o3.gs	Method	GENSCAN
Start	8682	End	11356
GI	none	Score	.74
Exons	8682..8784, 8884..8995, 9514..9562, 10958..11356		

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82278	Strand	-
Start	8682	End	11609
Name	OJ990730_06.0310.C9.o1.np	Method	AAT/NAP
Start	10937	End	11609
GI	6997193	Score	588
Exons	10937..11609		
GI Descrip.	(AC022355) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82278	Strand	-
Start	8682	End	11609
Name	OJ990730_06.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	11114	End	11368
GI	none	Score	200
Exons	11114..11275, 11114..11272, 11271..11366, 11273..11368		

Seq. No.	39809	Seq. ID	OJ990730_06.0310.C12
Gene No.	82279	Strand	-
Start	423	End	3917
Name	OJ990730_06.0310.C12.o1.gs	Method	GENSCAN
Start	423	End	3833
GI	none	Score	.86
Exons	423..716, 917..1032, 1152..1198, 1653..1753, 1971..2060, 2256..3833		

Seq. No.	39809	Seq. ID	OJ990730_06.0310.C12
Gene No.	82279	Strand	-
Start	423	End	3917
Name	OJ990730_06.0310.C12.o1.np	Method	AAT/NAP
Start	426	End	3833

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GI            629807                       Score    3642
Exons         426..716, 956..1032, 1152..1198, 1653..1753, 1971..2060,
              2256..3833
GI Descrip.   VP1 protein - rice

Seq. No.      39809                        Seq. ID  OJ990730_06.0310.C12
Gene No.      82279                        Strand   -
Start         423                          End      3917
Name          OJ990730_06.0310.C12.o1.tm   Method   TBLASTX:Maize
Start         619                          End      2061
GI            none                         Score    70
Exons         619..687, 694..714, 950..1036, 951..1034, 1136..1201,
              1146..1202, 1147..1203, 1147..1203, 1628..1756, 1639..1752,
              1652..1798, 1971..2057, 1971..2060, 1972..2061

Seq. No.      39809                        Seq. ID  OJ990730_06.0310.C12
Gene No.      82279                        Strand   -
Start         423                          End      3917
Name          OJ990730_06.0310.C12.o1.gp   Method   AAT/GAP
Start         1639                         End      2406
GI            72020_1.R1084                Score    585
Exons         1639..1753, 1971..2060, 2256..2406
GI Descrip.   '391884/dbj|D16640|RICOSVP1 1.0e-62 Rice DNA for VP1 protein,
              complete cds'

Seq. No.      39809                        Seq. ID  OJ990730_06.0310.C12
Gene No.      82279                        Strand   -
Start         423                          End      3917
Name          OJ990730_06.0310.C12.o2.gp   Method   AAT/GAP
Start         3183                         End      3506
GI            5607328                      Score    628
Exons         3183..3506
GI Descrip.   586238/sp|P37398|VIV_ORYSA 2.0e-51 VIVIPAROUS PROTEIN HOMOLOG
              >gi_632294_pir__S48899 VP1 protein (OSVP1) - Oryza sativa
              >gi_391885_dbj_BAA04066_ (D16640) VP1 protein (OSVP1) [Oryza
              sativa]

Seq. No.      39809                        Seq. ID  OJ990730_06.0310.C12
Gene No.      82279                        Strand   -
Start         423                          End      3917
Name          OJ990730_06.0310.C12.o3.gp   Method   AAT/GAP
Start         3596                         End      3917
GI            5607329                      Score    612
Exons         3596..3917
GI Descrip.   391884/dbj|D16640|RICOSVP1 1.0e-62 Rice DNA for VP1 protein,
              complete cds

Seq. No.      39810                        Seq. ID  OJ990730_06.0310.C13
Gene No.      82280                        Strand   +
Start         785                          End      1064
Name          OJ990730_06.0310.C13.o1.gs   Method   GENSCAN
Start         785                          End      1064
GI            none                         Score    .47
Exons         785..1064

Seq. No.      39810                        Seq. ID  OJ990730_06.0310.C13
Gene No.      82281                        Strand   +
Start         1353                           End      7928
Name          OJ990730_06.0310.C13.o2.gs     Method   GENSCAN
Start         1353                           End      7928
GI            none                           Score    .8
Exons         1353..1448, 1812..2433, 2534..3036, 3547..3666, 4907..5017,
              5411..5487, 5757..5824, 6145..6258, 6354..6535, 7055..7210,
              7812..7928

Seq. No.      39810                          Seq. ID  OJ990730_06.0310.C13
Gene No.      82281                          Strand   +
Start         1353                           End      7928
Name          OJ990730_06.0310.C13.o1.gp     Method   AAT/GAP
Start         3576                           End      6261
GI            none                           Score    927
Exons         3576..3666, 4117..4182, 4907..5017, 5411..5487, 5757..5824,
              6145..6261

Seq. No.      39810                          Seq. ID  OJ990730_06.0310.C13
Gene No.      82281                          Strand   +
Start         1353                           End      7928
Name          OJ990730_06.0310.C13.o2.gp     Method   AAT/GAP
Start         6409                           End      7623
GI            LIB3434-010-P1-K1-F8           Score    985
Exons         6409..6535, 6687..6755, 7055..7210, 7419..7623
GI Descrip.   '2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]'

Seq. No.      39810                          Seq. ID  OJ990730_06.0310.C13
Gene No.      82282                          Strand   -
Start         8416                           End      12950
Name          OJ990730_06.0310.C13.o4.tm     Method   TBLASTX:Maize
Start         5761                           End      6548
GI            none                           Score    90
Exons         5761..5820, 5763..5819, 6204..6257, 6345..6548, 6349..6534,
              6395..6541

Seq. No.      39810                          Seq. ID  OJ990730_06.0310.C13
Gene No.      82282                          Strand   -
Start         8416                           End      12950
Name          OJ990730_06.0310.C13.o2.tm     Method   TBLASTX:Maize
Start         6680                           End      7530
GI            none                           Score    78
Exons         6680..6757, 6686..6757, 7039..7212, 7049..7213, 7051..7212,
              7395..7487, 7417..7527, 7417..7530, 7418..7528

Seq. No.      39810                          Seq. ID  OJ990730_06.0310.C13
Gene No.      82282                          Strand   -
Start         8416                           End      12950
Name          OJ990730_06.0310.C13.o1.tm     Method   TBLASTX:Maize
Start         8399                           End      9595
GI            none                           Score    43
Exons         8399..8446, 8411..8443, 8424..8549, 8425..8550, 8425..8550,
              8426..8551, 8669..8824, 8679..8840, 8703..8810, 9017..9064,
              9018..9062, 9134..9256, 9150..9257, 9150..9266, 9151..9267,
              9151..9267, 9392..9595, 9397..9585

Seq. No.      39810                          Seq. ID  OJ990730_06.0310.C13
Gene No.      82282                          Strand   -
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Start	8416	End	12950
Name	OJ990730_06.0310.C13.o3.gs	Method	GENSCAN
Start	8416	End	12892
GI	none	Score	.73
Exons	8416..8550, 8678..8809, 9017..9106, 9150..9266, 9391..9571, 10213..10301, 10936..10976, 11279..11397, 12325..12509, 12605..12892		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82282	Strand	-
Start	8416	End	12950
Name	OJ990730_06.0310.C13.o1.np	Method	AAT/NAP
Start	8419	End	12950
GI	7211976	Score	1089
Exons	8419..8550, 8678..8809, 9017..9061, 9150..9266, 9391..9561, 10177..10301, 10936..10995, 11214..11397, 11479..11579, 11857..11922, 12006..12088, 12398..12509, 12908..12950		
GI Descrip.	(AC004809) F13M7.11 [Arabidopsis thaliana]		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82282	Strand	-
Start	8416	End	12950
Name	OJ990730_06.0310.C13.o3.tm	Method	TBLASTX:Maize
Start	11365	End	12661
GI	none	Score	41
Exons	11365..11391, 11473..11580, 11478..11582, 11478..11582, 11851..11931, 11851..11937, 12006..12086, 12006..12089, 12007..12093, 12360..12533, 12394..12510, 12401..12511, 12602..12661		

Seq. No.	39811	Seq. ID	OJ990730_06.0310.C14
Gene No.	82283	Strand	+
Start	53	End	1253
Name	OJ990730_06.0310.C14.o1.gs	Method	GENSCAN
Start	53	End	1253
GI	none	Score	.63
Exons	53..286, 1176..1253		

Seq. No.	39811	Seq. ID	OJ990730_06.0310.C14
Gene No.	82284	Strand	+
Start	1344	End	1594
Name	OJ990730_06.0310.C14.o1.np	Method	AAT/NAP
Start	1344	End	1594
GI	4581111	Score	44
Exons	1344..1594		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39811	Seq. ID	OJ990730_06.0310.C14
Gene No.	82285	Strand	-
Start	1811	End	2015
Name	OJ990730_06.0310.C14.o2.gs	Method	GENSCAN
Start	1811	End	2015
GI	none	Score	.6
Exons	1811..2015		

Seq. No.	39812	Seq. ID	OJ990730_06.0310.C15

Gene No.	82286	Strand	-
Start	1	End	1792
Name	OJ990730_06.0310.C15.o1.np	Method	AAT/NAP
Start	1	End	1792
GI	6983857	Score	1233
Exons	1..135, 242..371, 412..880, 1051..1613, 1676..1792		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39812	Seq. ID	OJ990730_06.0310.C15
Gene No.	82286	Strand	-
Start	1	End	1792
Name	OJ990730_06.0310.C15.o1.gs	Method	GENSCAN
Start	233	End	435
GI	none	Score	.82
Exons	233..435		

Seq. No.	39812	Seq. ID	OJ990730_06.0310.C15
Gene No.	82286	Strand	-
Start	1	End	1792
Name	OJ990730_06.0310.C15.o2.gs	Method	GENSCAN
Start	994	End	1479
GI	none	Score	.53
Exons	994..1479		

Seq. No.	39813	Seq. ID	OJ990730_06.0310.C18
Gene No.	82287	Strand	+
Start	370	End	650
Name	OJ990730_06.0310.C18.o1.gp	Method	AAT/GAP
Start	370	End	650
GI	2443_1.R1084	Score	328
Exons	370..481, 564..650		
GI Descrip.	'2911072/emb|CAA17534.1| 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	39813	Seq. ID	OJ990730_06.0310.C18
Gene No.	82288	Strand	-
Start	672	End	761
Name	OJ990730_06.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	368	End	652
GI	none	Score	179
Exons	368..493, 373..495, 561..587, 582..641, 586..651, 587..649, 587..652, 588..650		

Seq. No.	39813	Seq. ID	OJ990730_06.0310.C18
Gene No.	82288	Strand	-
Start	672	End	761
Name	OJ990730_06.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	377	End	698
GI	none	Score	155
Exons	377..493, 379..495, 382..498, 561..587, 574..648, 587..694, 588..698		

Seq. No.	39813	Seq. ID	OJ990730_06.0310.C18
Gene No.	82288	Strand	-
Start	672	End	761
Name	OJ990730_06.0310.C18.o1.gs	Method	GENSCAN
Start	672	End	761

GI	none	Score	.54
Exons	672..761		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82289	Strand	+
Start	1	End	1925
Name	OJ990730_06.0310.C19.o1.np	Method	AAT/NAP
Start	1	End	1479
GI	7486600	Score	425
Exons	1..22, 851..931, 1000..1224, 1334..1479		
GI Descrip.	hypothetical protein F7J7.90 - Arabidopsis thaliana gi|2911072|emb|CAA17534.1| (AL021960) putative protein [Arabidopsis thaliana] gi|7268912|emb|CAB79115.1| (AL161554) putative protein [Arabidopsis thaliana]		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82289	Strand	+
Start	1	End	1925
Name	OJ990730_06.0310.C19.o1.gs	Method	GENSCAN
Start	395	End	1656
GI	none	Score	.84
Exons	395..445, 851..931, 1000..1224, 1334..1456, 1540..1656		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82289	Strand	+
Start	1	End	1925
Name	OJ990730_06.0310.C19.o1.gp	Method	AAT/GAP
Start	836	End	1925
GI	2443_1.R1084	Score	1539
Exons	836..931, 1000..1224, 1334..1456, 1540..1925		
GI Descrip.	'2911072/emb|CAA17534.1| 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82290	Strand	+
Start	6900	End	7188
Name	OJ990730_06.0310.C19.o3.gp	Method	AAT/GAP
Start	6900	End	7188
GI	5039075	Score	547
Exons	6900..7188		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82291	Strand	+
Start	8544	End	11693
Name	OJ990730_06.0310.C19.o3.gs	Method	GENSCAN
Start	8544	End	11693
GI	none	Score	.8
Exons	8544..8560, 8635..8774, 9527..10146, 10338..10481, 10549..10692, 10799..10857, 10928..11693		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82291	Strand	+
Start	8544	End	11693
Name	OJ990730_06.0310.C19.o3.np	Method	AAT/NAP
Start	10080	End	11690
GI	6721561	Score	1020
Exons	10080..10115, 10516..10728, 10799..10857, 10928..11690		

GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82292	Strand	-
Start	2121	End	2549
Name	OJ990730_06.0310.C19.o2.gp	Method	AAT/GAP
Start	2121	End	2549
GI	2800158	Score	715
Exons	2121..2549		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82293	Strand	-
Start	2598	End	7714
Name	OJ990730_06.0310.C19.o2.gs	Method	GENSCAN
Start	2598	End	7183
GI	none	Score	.88
Exons	2598..2681, 2799..2859, 2934..2998, 3098..3379, 3863..3919, 4173..4272, 6557..6681, 6770..7183		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82293	Strand	-
Start	2598	End	7714
Name	OJ990730_06.0310.C19.o2.np	Method	AAT/NAP
Start	2601	End	7714
GI	6453908	Score	1518
Exons	2601..2681, 2799..2859, 2934..2998, 3098..3379, 3458..3532, 3641..3715, 3863..3919, 4173..4246, 4396..4586, 4733..4835, 4930..5000, 5129..5183, 5360..5463, 5548..5670, 6589..6681, 6752..7002, 7503..7714		
GI Descrip.	(AC011663) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o4.tw	Method	TBLASTX:Wheat
Start	745	End	1374
GI	none	Score	128
Exons	745..933, 836..931, 855..938, 970..1227, 993..1226, 1318..1374, 1319..1363		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o1.tm	Method	TBLASTX:Maize
Start	772	End	1825
GI	none	Score	132
Exons	772..933, 836..931, 862..933, 934..1224, 970..1227, 999..1226, 1318..1455, 1334..1480, 1350..1451, 1527..1652, 1535..1663, 1542..1667, 1757..1825		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331

Name	OJ990730_06.0310.C19.o2.ts	Method	TBLASTX:Soybean
Start	859	End	1456
GI	5509682	Score	112
Exons	859..933, 860..931, 970..1044, 999..1223, 999..1226, 1085..1225, 1087..1227, 1318..1449, 1319..1456		
GI Descrip.	2911072/emb_CAA17534_ 3.0e-40 (AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o5.tm	Method	TBLASTX:Maize
Start	2524	End	3238
GI	none	Score	72
Exons	2524..2646, 2536..2583, 2604..2645, 2652..2687, 2792..2857, 2793..2858, 2797..2862, 2799..2861, 2933..2992, 2933..2998, 3098..3238, 3098..3238		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o1.tc	Method	TBLASTX:Cress
Start	2796	End	3541
GI	none	Score	200
Exons	2796..2861, 3081..3383, 3098..3409, 3184..3384, 3456..3533, 3458..3541		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o1.ts	Method	TBLASTX:Soybean
Start	3117	End	3529
GI	none	Score	189
Exons	3117..3299, 3119..3367, 3119..3382, 3162..3380, 3458..3529		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o3.tm	Method	TBLASTX:Maize
Start	3239	End	3724
GI	none	Score	142
Exons	3239..3382, 3240..3383, 3241..3393, 3458..3535, 3458..3535, 3638..3685, 3638..3724, 3642..3716		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o4.tm	Method	TBLASTX:Maize
Start	3872	End	4835
GI	none	Score	79
Exons	3872..3919, 3872..3919, 4163..4264, 4170..4265, 4171..4251, 4342..4539, 4364..4546, 4374..4547, 4543..4587, 4545..4595, 4724..4804, 4727..4834, 4731..4832, 4731..4835, 4732..4833		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331

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Name        OJ990730_06.0310.C19.o3.ts    Method    TBLASTX:Soybean
Start       4194                          End       5185
GI          none                          Score     44
Exons       4194..4247, 4198..4263, 4373..4546, 4374..4571, 4545..4586,
            4727..4837, 4731..4838, 4932..5006, 4932..5006, 5123..5185,
            5126..5185

Seq. No.    39814                         Seq. ID   OJ990730_06.0310.C19
Gene No.    82294                         Strand    -
Start       12435                         End       15331
Name        OJ990730_06.0310.C19.o7.tm    Method    TBLASTX:Maize
Start       4926                          End       5641
GI          none                          Score     121
Exons       4926..5006, 4929..5033, 5123..5194, 5127..5180, 5129..5185,
            5358..5471, 5359..5472, 5360..5476, 5522..5641, 5546..5632,
            5548..5640

Seq. No.    39814                         Seq. ID   OJ990730_06.0310.C19
Gene No.    82294                         Strand    -
Start       12435                         End       15331
Name        OJ990730_06.0310.C19.o2.tc    Method    TBLASTX:Cress
Start       4932                          End       6839
GI          none                          Score     62
Exons       4932..5006, 4933..5010, 5123..5194, 5351..5467, 5352..5477,
            5354..5467, 5362..5481, 5548..5670, 5558..5671, 5797..5841,
            5942..5995, 6500..6619, 6562..6618, 6568..6681, 6623..6682,
            6755..6838, 6759..6839

Seq. No.    39814                         Seq. ID   OJ990730_06.0310.C19
Gene No.    82294                         Strand    -
Start       12435                         End       15331
Name        OJ990730_06.0310.C19.o4.ts    Method    TBLASTX:Soybean
Start       5357                          End       5673
GI          none                          Score     63
Exons       5357..5476, 5359..5466, 5548..5673, 5549..5671, 5605..5673

Seq. No.    39814                         Seq. ID   OJ990730_06.0310.C19
Gene No.    82294                         Strand    -
Start       12435                         End       15331
Name        OJ990730_06.0310.C19.o1.tw    Method    TBLASTX:Wheat
Start       9860                          End       13386
GI          none                          Score     350
Exons       9860..9961, 12930..13385, 12931..13386

Seq. No.    39814                         Seq. ID   OJ990730_06.0310.C19
Gene No.    82294                         Strand    -
Start       12435                         End       15331
Name        OJ990730_06.0310.C19.o2.tw    Method    TBLASTX:Wheat
Start       11378                         End       14033
GI          none                          Score     157
Exons       11378..11395, 11413..11499, 13578..13814, 13588..13812,
            13851..14033, 13852..14025

Seq. No.    39814                         Seq. ID   OJ990730_06.0310.C19
Gene No.    82294                         Strand    -
Start       12435                         End       15331
Name        OJ990730_06.0310.C19.o3.tw    Method    TBLASTX:Wheat
```

Start	12417	End	12815
GI	none	Score	173
Exons	12417..12815, 12505..12705, 12516..12815		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o4.np	Method	AAT/NAP
Start	12435	End	15331
GI	7228457	Score	1735
Exons	12435..13477, 13532..15075, 15270..15331		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o6.tm	Method	TBLASTX:Maize
Start	12507	End	12872
GI	none	Score	96
Exons	12507..12872, 12508..12705		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o5.ts	Method	TBLASTX:Soybean
Start	12603	End	12839
GI	none	Score	69
Exons	12603..12839, 12613..12702		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o2.tm	Method	TBLASTX:Maize
Start	12900	End	13256
GI	none	Score	209
Exons	12900..13256, 12901..13194, 12954..13202		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o5.tw	Method	TBLASTX:Wheat
Start	14616	End	15014
GI	none	Score	69
Exons	14616..15014, 14716..14889, 14962..15000		

Seq. No.	39815	Seq. ID	OJ990730_06.0310.C20
Gene No.	82295	Strand	+
Start	317	End	432
Name	OJ990730_06.0310.C20.o1.gs	Method	GENSCAN
Start	317	End	432
GI	none	Score	.94
Exons	317..432		

Seq. No.	39815	Seq. ID	OJ990730_06.0310.C20
Gene No.	82296	Strand	-

Start	1223	End	1838
Name	OJ990730_06.0310.C20.o2.gs	Method	GENSCAN
Start	1223	End	1838
GI	none	Score	.77
Exons	1223..1288, 1620..1838		

Seq. No.	39816	Seq. ID	OJ990730_06.0310.C21
Gene No.	82297	Strand	-
Start	489	End	633
Name	OJ990730_06.0310.C21.o1.gs	Method	GENSCAN
Start	489	End	633
GI	none	Score	.53
Exons	489..633		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82298	Strand	+
Start	1	End	574
Name	OJ990730_06.0310.C24.o1.np	Method	AAT/NAP
Start	1	End	559
GI	4680501	Score	403
Exons	1..559		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82298	Strand	+
Start	1	End	574
Name	OJ990730_06.0310.C24.o1.gs	Method	GENSCAN
Start	2	End	574
GI	none	Score	.42
Exons	2..574		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82299	Strand	+
Start	1217	End	2581
Name	OJ990730_06.0310.C24.o2.gs	Method	GENSCAN
Start	1217	End	2581
GI	none	Score	.95
Exons	1217..2581		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82299	Strand	+
Start	1217	End	2581
Name	OJ990730_06.0310.C24.o1.gp	Method	AAT/GAP
Start	1391	End	1913
GI	none	Score	982
Exons	1391..1913		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82300	Strand	+
Start	3804	End	5437
Name	OJ990730_06.0310.C24.o3.gs	Method	GENSCAN
Start	3804	End	5437
GI	none	Score	.71
Exons	3804..3933, 4657..4822, 4894..5437		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82301	Strand	+

Start	7369	End	8490
Name	OJ990730_06.0310.C24.o4.gs	Method	GENSCAN
Start	7369	End	8490
GI	none	Score	.93
Exons	7369..8490		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o3.gp	Method	AAT/GAP
Start	9217	End	9468
GI	4879754	Score	448
Exons	9217..9468		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o2.np	Method	AAT/NAP
Start	9265	End	12806
GI	4835793	Score	957
Exons	9265..9422, 9509..9611, 10137..10602, 12024..12073, 12156..12286, 12392..12488, 12609..12806		
GI Descrip.	(AC007296) Similar to gb|U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF|00076 RNA recognition motif domains. ESTs gb|T44278, gb|R65195, gb|N65904, gb|H37499, gb|R90487, gb|N95952, gb|T4427...		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o5.gs	Method	GENSCAN
Start	9301	End	17429
GI	none	Score	.78
Exons	9301..9459, 9501..9611, 10137..10596, 12024..12073, 12582..12773, 13948..14161, 15003..15124, 15221..15330, 15484..15509, 15763..15852, 16322..16455, 17035..17136, 17358..17429		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o4.gp	Method	AAT/GAP
Start	12022	End	12319
GI	30207_1.R1084	Score	290
Exons	12022..12073, 12156..12319		
GI Descrip.	'4835793/gb|AAD30259.1|AC007296_20 6.0e-57 (AC007296) Similar to gb_U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF_00076 RNA recognition motif domains. ESTs gb_T44278, gb_R65195, gb_N65904, gb_H37499, gb_R90487, gb_N95952, gb_T4427'		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o5.gp	Method	AAT/GAP
Start	12022	End	12286
GI	30207_1.R1084	Score	296

Exons	12022..12073, 12156..12286
GI Descrip.	'4835793/gb|AAD30259.1|AC007296_20 6.0e-57 (AC007296) Similar to gb_U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF_00076 RNA recognition motif domains. ESTs gb_T44278, gb_R65195, gb_N65904, gb_H37499, gb_R90487, gb_N95952, gb_T4427'

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o6.gp	Method	AAT/GAP
Start	13013	End	13208
GI	4714370	Score	365
Exons	13013..13208		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o3.np	Method	AAT/NAP
Start	13806	End	16417
GI	7485341	Score	115
Exons	13806..14161, 15003..15124, 16372..16417		
GI Descrip.	hypothetical protein F10M23.330 - Arabidopsis thaliana gi|4455222|emb|CAB36545.1| (AL035440) hypothetical protein [Arabidopsis thaliana] gi|7269552|emb|CAB79554.1| (AL161566) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o2.tm	Method	TBLASTX:Maize
Start	2	End	8418
GI	none	Score	102
Exons	2..139, 76..159, 142..225, 143..265, 290..562, 292..558, 1775..1831, 1822..1974, 1856..1981, 2017..2070, 2114..2239, 2315..2515, 2338..2511, 2569..2841, 2571..2594, 2658..2840, 7408..7551, 7437..7550, 7885..8142, 7890..8156, 8176..8418		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o2.ts	Method	TBLASTX:Soybean
Start	23	End	8388
GI	none	Score	103
Exons	23..139, 143..265, 290..556, 292..564, 2138..2239, 2234..2515, 2326..2511, 2569..2835, 2571..2831, 2590..2832, 7885..8142, 7929..8156, 8176..8388		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o2.tc	Method	TBLASTX:Cress
Start	169	End	8388
GI	none	Score	86
Exons	169..234, 173..265, 286..570, 287..559, 2459..2515, 2565..2801, 2566..2835, 2638..2832, 8065..8142, 8176..8388, 8250..8375		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	173	End	8337
GI	none	Score	87
Exons	173..250, 296..451, 304..444, 469..555, 470..556, 2459..2518, 2575..2736, 2749..2835, 8071..8136, 8173..8337		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o2.gp	Method	AAT/GAP
Start	2570	End	3098
GI	uC-osflcyp115h04a1	Score	1054
Exons	2570..3098		
GI Descrip.	'4680338/gb|AAD27629.1|AF128457_3 2.0e-22 (AF128457) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82304	Strand	
Start	9524	End	12753
Name	OJ990730_06.0310.C24.o1.tc	Method	TBLASTX:Cress
Start	9524	End	12488
GI	none	Score	132
Exons	9524..9610, 9525..9614, 10128..10250, 10134..10265, 10142..10261, 10269..10298, 10295..10573, 10296..10574, 10327..10575, 10398..10544, 12029..12076, 12156..12278, 12161..12274, 12395..12487, 12399..12488		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82304	Strand	
Start	9524	End	12753
Name	OJ990730_06.0310.C24.o1.ts	Method	TBLASTX:Soybean
Start	9524	End	12506
GI	none	Score	140
Exons	9524..9613, 9525..9614, 10110..10298, 10128..10250, 10136..10297, 10162..10302, 10293..10580, 10305..10391, 10313..10570, 10398..10529, 10455..10553, 12014..12076, 12155..12271, 12156..12287, 12159..12287, 12386..12487, 12390..12506, 12390..12494		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82304	Strand	
Start	9524	End	12753
Name	OJ990730_06.0310.C24.o1.tm	Method	TBLASTX:Maize
Start	9524	End	12753
GI	none	Score	135
Exons	9524..9613, 9525..9617, 9541..9630, 10128..10250, 10134..10583, 10134..10580, 10136..10582, 12021..12071, 12022..12072, 12023..12076, 12023..12076, 12155..12286, 12156..12287, 12367..12474, 12377..12490, 12384..12494, 12389..12487, 12393..12494, 12577..12666, 12579..12605, 12580..12666, 12661..12753, 12667..12735, 12680..12736		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82304	Strand	

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Start          9524                         End      12753
Name           OJ990730_06.0310.C24.o2.tw   Method   TBLASTX:Wheat
Start          10128                        End      10526
GI             none                         Score    63
Exons          10128..10250, 10326..10526, 10334..10522

Seq. No.       39817                        Seq. ID  OJ990730_06.0310.C24
Gene No.       82305                        Strand
Start          16209                        End      17151
Name           OJ990730_06.0310.C24.o4.tm   Method   TBLASTX:Maize
Start          16209                        End      17151
GI             none                         Score    189
Exons          16209..16382, 16216..16392, 16313..16405, 16372..16458,
               16396..16446, 16397..16453, 17034..17105, 17038..17151,
               17038..17139, 17039..17140

Seq. No.       39817                        Seq. ID  OJ990730_06.0310.C24
Gene No.       82306                        Strand
Start          17821                        End      18184
Name           OJ990730_06.0310.C24.o3.tm   Method   TBLASTX:Maize
Start          17821                        End      18184
GI             none                         Score    124
Exons          17821..17928, 17822..17932, 17826..17930, 18040..18183,
               18040..18183, 18041..18184, 18041..18184

Seq. No.       39818                        Seq. ID  OJ990730_06.0310.C25
Gene No.       82307                        Strand   -
Start          989                          End      4964
Name           OJ990730_06.0310.C25.o1.gs   Method   GENSCAN
Start          989                          End      4964
GI             none                         Score    .83
Exons          989..1075, 1952..2001, 2943..2990, 3435..3518, 3592..3681,
               3845..3898, 4003..4476, 4547..4964

Seq. No.       39818                        Seq. ID  OJ990730_06.0310.C25
Gene No.       82307                        Strand   -
Start          989                          End      4964
Name           OJ990730_06.0310.C25.o1.gp   Method   AAT/GAP
Start          2417                         End      3517
GI             none                         Score    1041
Exons          2417..2846, 2943..2990, 3435..3517

Seq. No.       39818                        Seq. ID  OJ990730_06.0310.C25
Gene No.       82307                        Strand   -
Start          989                          End      4964
Name           OJ990730_06.0310.C25.o2.gp   Method   AAT/GAP
Start          4000                         End      4561
GI             9093_1.R1084                 Score    1025
Exons          4000..4561
GI Descrip.    '4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol
               polyprotein with a Zn-finger CCHC type domain
               (prosite:QDOC50158) and a DDE integrase signature motif
               [Arabidopsis thaliana]'

Seq. No.       39818                        Seq. ID  OJ990730_06.0310.C25
Gene No.       82308                        Strand   -
Start          4890                         End      7910
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Name          OJ990730_06.0310.C25.o3.gp     Method   AAT/GAP
Start         4890                           End      7609
GI            none                           Score    820
Exons         4890..5068, 7367..7609

Seq. No.      39818                          Seq. ID  OJ990730_06.0310.C25
Gene No.      82308                          Strand   -
Start         4890                           End      7910
Name          OJ990730_06.0310.C25.o2.gs     Method   GENSCAN
Start         5911                           End      7910
GI            none                           Score    .87
Exons         5911..5941, 6021..6208, 7367..7810, 7815..7910

Seq. No.      39819                          Seq. ID  OJ990730_06.0310.C26
Gene No.      82309                          Strand   +
Start         4893                           End      6109
Name          OJ990730_06.0310.C26.o1.np     Method   AAT/NAP
Start         4893                           End      6109
GI            6721543                        Score    101
Exons         4893..5021, 5675..5750, 6069..6109
GI Descrip.   (AP001073) hypothetical protein [Oryza sativa]

Seq. No.      39819                          Seq. ID  OJ990730_06.0310.C26
Gene No.      82309                          Strand   +
Start         4893                           End      6109
Name          OJ990730_06.0310.C26.o2.gp     Method   AAT/GAP
Start         4907                           End      5313
GI            7406_1.R1084                   Score    661
Exons         4907..5313
GI Descrip.   '1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0
              [Pennisetum glaucum]'

Seq. No.      39819                          Seq. ID  OJ990730_06.0310.C26
Gene No.      82310                          Strand   -
Start         866                            End      1489
Name          OJ990730_06.0310.C26.o1.gs     Method   GENSCAN
Start         866                            End      1489
GI            none                           Score    .98
Exons         866..1489

Seq. No.      39819                          Seq. ID  OJ990730_06.0310.C26
Gene No.      82311                          Strand   -
Start         1411                           End      4618
Name          OJ990730_06.0310.C26.o1.gp     Method   AAT/GAP
Start         1411                           End      4414
GI            3768383                        Score    690
Exons         1411..1574, 4203..4414

Seq. No.      39819                          Seq. ID  OJ990730_06.0310.C26
Gene No.      82311                          Strand   -
Start         1411                           End      4618
Name          OJ990730_06.0310.C26.o2.gs     Method   GENSCAN
Start         4065                           End      4618
GI            none                           Score    .53
Exons         4065..4081, 4522..4618

Seq. No.      39819                          Seq. ID  OJ990730_06.0310.C26
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Gene No.	82312	Strand	-
Start	5534	End	9293
Name	OJ990730_06.0310.C26.o3.gp	Method	AAT/GAP
Start	5256	End	5709
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	5256..5709		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82312	Strand	-
Start	5534	End	9293
Name	OJ990730_06.0310.C26.o2.np	Method	AAT/NAP
Start	5510	End	9293
GI	7228442	Score	4811
Exons	5510..5694, 6665..9293		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82312	Strand	-
Start	5534	End	9293
Name	OJ990730_06.0310.C26.o3.gs	Method	GENSCAN
Start	5534	End	9293
GI	none	Score	.51
Exons	5534..5694, 5845..6047, 6052..6099, 6163..6294, 6385..6422, 6488..6762, 6785..6960, 7162..7805, 7881..9293		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82312	Strand	-
Start	5534	End	9293
Name	OJ990730_06.0310.C26.o4.gp	Method	AAT/GAP
Start	7805	End	8236
GI	5701669	Score	833
Exons	7805..8236		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82313	Strand	-
Start	9734	End	9898
Name	OJ990730_06.0310.C26.o1.tw	Method	TBLASTX:Wheat
Start	7605	End	7985
GI	none	Score	79
Exons	7605..7781, 7635..7781, 7666..7785, 7779..7976, 7791..7985		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82313	Strand	-
Start	9734	End	9898
Name	OJ990730_06.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	7683	End	8279
GI	none	Score	151
Exons	7683..7754, 7818..8117, 7879..8100, 8151..8279, 8173..8271		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26

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Gene No.     82313                         Strand    -
Start        9734                          End       9898
Name         OJ990730_06.0310.C26.o5.gp    Method    AAT/GAP
Start        9734                          End       9898
GI           7406_1.R1084                  Score     213
Exons        9734..9898
GI Descrip.  '1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0
             [Pennisetum glaucum]'

Seq. No.     39820                         Seq. ID   OJ990730_06.0310.C27
Gene No.     82314                         Strand    +
Start        6886                          End       14742
Name         OJ990730_06.0310.C27.o3.gs    Method    GENSCAN
Start        6886                          End       14742
GI           none                          Score     .49
Exons        6886..10810, 11297..11671, 11722..11915, 12175..12262,
             12624..12699, 13106..13191, 14246..14742

Seq. No.     39820                         Seq. ID   OJ990730_06.0310.C27
Gene No.     82315                         Strand    -
Start        1050                          End       5874
Name         OJ990730_06.0310.C27.o1.tc    Method    TBLASTX:Cress
Start        1047                          End       2230
GI           none                          Score     119
Exons        1047..1187, 1047..1199, 1048..1197, 1185..1361, 1201..1326,
             1212..1331, 1676..1882, 1686..1880, 2097..2228, 2105..2230

Seq. No.     39820                         Seq. ID   OJ990730_06.0310.C27
Gene No.     82315                         Strand    -
Start        1050                          End       5874
Name         OJ990730_06.0310.C27.o1.ts    Method    TBLASTX:Soybean
Start        1050                          End       1311
GI           none                          Score     169
Exons        1050..1310, 1053..1310, 1054..1311

Seq. No.     39820                         Seq. ID   OJ990730_06.0310.C27
Gene No.     82315                         Strand    -
Start        1050                          End       5874
Name         OJ990730_06.0310.C27.o2.gs    Method    GENSCAN
Start        1050                          End       5874
GI           none                          Score     .83
Exons        1050..1328, 1589..1879, 2105..2358, 3133..3316, 3571..3629,
             3711..3737, 4034..4249, 4312..4483, 5245..5395, 5609..5874

Seq. No.     39820                         Seq. ID   OJ990730_06.0310.C27
Gene No.     82315                         Strand    -
Start        1050                          End       5874
Name         OJ990730_06.0310.C27.o1.np    Method    AAT/NAP
Start        1053                          End       3859
GI           7487370                       Score     922
Exons        1053..1328, 1589..1879, 2105..2380, 3080..3209, 3775..3859
GI Descrip.  hypothetical protein T23J7.190 - Arabidopsis thaliana
             gi|4741203|emb|CAB41869.1| (AL049746) putative protein
             [Arabidopsis thaliana]

Seq. No.     39820                         Seq. ID   OJ990730_06.0310.C27
Gene No.     82315                         Strand    -
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Start	1050	End	5874
Name	OJ990730_06.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	1101	End	1332
GI	none	Score	245
Exons	1101..1331, 1101..1331, 1102..1332, 1120..1332		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o2.tm	Method	TBLASTX:Maize
Start	1616	End	1799
GI	none	Score	239
Exons	1616..1798, 1616..1798, 1617..1799		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o2.ts	Method	TBLASTX:Soybean
Start	1651	End	2251
GI	none	Score	96
Exons	1651..1785, 1652..1882, 1653..1883, 1668..1880, 2097..2249, 2097..2228, 2105..2251		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o3.tm	Method	TBLASTX:Maize
Start	1800	End	2867
GI	none	Score	77
Exons	1800..1850, 1800..1847, 1802..1852, 1802..1900, 1845..1880, 2097..2273, 2098..2277, 2105..2272, 2283..2360, 2285..2362, 2761..2865, 2762..2866, 2769..2867		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o2.np	Method	AAT/NAP
Start	2554	End	2662
GI	6983864	Score	77
Exons	2554..2662		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82316	Strand	
Start	7855	End	8199
Name	OJ990730_06.0310.C27.o4.tm	Method	TBLASTX:Maize
Start	7855	End	8199
GI	none	Score	155
Exons	7855..8037, 7857..8000, 8047..8127, 8064..8126, 8118..8198, 8119..8199		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82317	Strand	
Start	8317	End	8727
Name	OJ990730_06.0310.C27.o5.tm	Method	TBLASTX:Maize
Start	8317	End	8637
GI	none	Score	198

Exons	8317..8637, 8319..8612		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82317	Strand	
Start	8317	End	8727
Name	OJ990730_06.0310.C27.o3.ts	Method	TBLASTX:Soybean
Start	8350	End	8727
GI	none	Score	236
Exons	8350..8727, 8370..8399, 8455..8499, 8487..8705		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82318	Strand	+
Start	191	End	264
Name	OJ990730_06.0310.C28.o1.gs	Method	GENSCAN
Start	191	End	264
GI	none	Score	.65
Exons	191..264		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82319	Strand	+
Start	2917	End	4779
Name	OJ990730_06.0310.C28.o1.np	Method	AAT/NAP
Start	2917	End	4779
GI	6907086	Score	1496
Exons	2917..3679, 3738..3909, 4146..4255, 4379..4541, 4586..4779		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82320	Strand	+
Start	8374	End	8522
Name	OJ990730_06.0310.C28.o3.gp	Method	AAT/GAP
Start	8374	End	8522
GI	uC-osflcyp089a06a1	Score	271
Exons	8374..8522		
GI Descrip.	'5803254/dbj|BAA83564.1| 3.0e-16 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82321	Strand	-
Start	983	End	1485
Name	OJ990730_06.0310.C28.o1.gp	Method	AAT/GAP
Start	983	End	1485
GI	38782_1.R1084	Score	816
Exons	983..1485		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82322	Strand	-
Start	8057	End	9590
Name	OJ990730_06.0310.C28.o2.np	Method	AAT/NAP
Start	8057	End	9590
GI	5803254	Score	186
Exons	8057..8242, 8809..9000, 9351..9590		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106),		

AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82322	Strand	-
Start	8057	End	9590
Name	OJ990730_06.0310.C28.o3.gs	Method	GENSCAN
Start	8626	End	9506
GI	none	Score	.86
Exons	8626..9000, 9351..9506		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82322	Strand	-
Start	8057	End	9590
Name	OJ990730_06.0310.C28.o4.gp	Method	AAT/GAP
Start	8830	End	9590
GI	431814	Score	589
Exons	8830..9000, 9351..9590		
GI Descrip.	5803254/dbj|BAA83564.1| 3.0e-16 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82323	Strand	+
Start	103	End	3144
Name	OJ990730_06.0310.C29.o1.gs	Method	GENSCAN
Start	103	End	3144
GI	none	Score	.46
Exons	103..183, 1878..2003, 2051..2525, 3059..3144		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82324	Strand	+
Start	12105	End	13556
Name	OJ990730_06.0310.C29.o7.np	Method	AAT/NAP
Start	12105	End	13556
GI	6907088	Score	1013
Exons	12105..12242, 12418..12656, 13156..13556		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82325	Strand	-
Start	1	End	676
Name	OJ990730_06.0310.C29.o1.np	Method	AAT/NAP
Start	1	End	676
GI	5803254	Score	324
Exons	1..529, 572..676		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82326	Strand	-
Start	3481	End	5349
Name	OJ990730_06.0310.C29.o3.np	Method	AAT/NAP
Start	3481	End	5349
GI	5803254	Score	725

Exons	3481..3859, 4235..4390, 4527..5349		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82327	Strand	-
Start	6157	End	9559
Name	OJ990730_06.0310.C29.o4.np	Method	AAT/NAP
Start	6157	End	9559
GI	4678197	Score	1813
Exons	6157..7919, 8207..9147, 9175..9559		
GI Descrip.	(AC007134) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	6139	End	6819
GI	none	Score	53
Exons	6139..6405, 6145..6261, 6332..6790, 6345..6635, 6484..6819		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	6175	End	6837
GI	none	Score	55
Exons	6175..6411, 6332..6400, 6487..6837, 6488..6739		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o3.tw	Method	TBLASTX:Wheat
Start	6583	End	6969
GI	none	Score	34
Exons	6583..6828, 6594..6629, 6698..6802, 6850..6969		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o4.ts	Method	TBLASTX:Soybean
Start	6847	End	7026
GI	none	Score	115
Exons	6847..7026, 6881..7024		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o3.tc	Method	TBLASTX:Cress
Start	6883	End	7122
GI	none	Score	185
Exons	6883..7122		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-

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Start          11211                    End      11360
Name           OJ990730_06.0310.C29.o1.tw  Method   TBLASTX:Wheat
Start          6979                     End      7525
GI             none                     Score    57
Exons          6979..7188, 7016..7120, 7180..7524, 7235..7366, 7412..7525

Seq. No.       39822                    Seq. ID  OJ990730_06.0310.C29
Gene No.       82328                    Strand   -
Start          11211                    End      11360
Name           OJ990730_06.0310.C29.o3.tm  Method   TBLASTX:Maize
Start          7093                     End      7525
GI             none                     Score    99
Exons          7093..7524, 7205..7366, 7433..7525

Seq. No.       39822                    Seq. ID  OJ990730_06.0310.C29
Gene No.       82328                    Strand   -
Start          11211                    End      11360
Name           OJ990730_06.0310.C29.o2.ts  Method   TBLASTX:Soybean
Start          7205                     End      7690
GI             5509260                  Score    111
Exons          7205..7366, 7210..7689, 7412..7690
GI Descrip.    -

Seq. No.       39822                    Seq. ID  OJ990730_06.0310.C29
Gene No.       82328                    Strand   -
Start          11211                    End      11360
Name           OJ990730_06.0310.C29.o1.tc  Method   TBLASTX:Cress
Start          7306                     End      7575
GI             none                     Score    138
Exons          7306..7575, 7315..7554, 7325..7561

Seq. No.       39822                    Seq. ID  OJ990730_06.0310.C29
Gene No.       82328                    Strand   -
Start          11211                    End      11360
Name           OJ990730_06.0310.C29.o2.tm  Method   TBLASTX:Maize
Start          8249                     End      8923
GI             none                     Score    70
Exons          8249..8845, 8259..8519, 8541..8777, 8624..8821, 8855..8923

Seq. No.       39822                    Seq. ID  OJ990730_06.0310.C29
Gene No.       82328                    Strand   -
Start          11211                    End      11360
Name           OJ990730_06.0310.C29.o2.tc  Method   TBLASTX:Cress
Start          8285                     End      8734
GI             none                     Score    85
Exons          8285..8734, 8535..8732

Seq. No.       39822                    Seq. ID  OJ990730_06.0310.C29
Gene No.       82328                    Strand   -
Start          11211                    End      11360
Name           OJ990730_06.0310.C29.o3.ts  Method   TBLASTX:Soybean
Start          8288                     End      8749
GI             none                     Score    81
Exons          8288..8749, 8448..8675

Seq. No.       39822                    Seq. ID  OJ990730_06.0310.C29
Gene No.       82328                    Strand   -
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Start	11211	End	11360
Name	OJ990730_06.0310.C29.o2.tw	Method	TBLASTX:Wheat
Start	8306	End	8914
GI	none	Score	62
Exons	8306..8428, 8423..8512, 8436..8513, 8528..8914, 8532..8897		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o4.tm	Method	TBLASTX:Maize
Start	8933	End	9277
GI	none	Score	84
Exons	8933..9139, 8938..9057, 8939..9175, 9206..9277, 9213..9257		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o6.np	Method	AAT/NAP
Start	11211	End	11360
GI	6069646	Score	111
Exons	11211..11360		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82329	Strand	+
Start	1	End	1342
Name	OJ990730_06.0310.C30.o1.np	Method	AAT/NAP
Start	1	End	791
GI	6983857	Score	500
Exons	1..322, 363..791		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82329	Strand	+
Start	1	End	1342
Name	OJ990730_06.0310.C30.o1.gs	Method	GENSCAN
Start	299	End	1342
GI	none	Score	.74
Exons	299..388, 1232..1342		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82330	Strand	+
Start	3861	End	8289
Name	OJ990730_06.0310.C30.o2.gs	Method	GENSCAN
Start	3861	End	8289
GI	none	Score	.78
Exons	3861..3986, 4097..4243, 4574..4665, 4759..4855, 5865..6011, 6096..6243, 6335..6411, 6880..6951, 7336..7463, 7545..7704, 7804..8005, 8240..8289		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82331	Strand	-
Start	8787	End	9369

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Name          OJ990730_06.0310.C30.o1.gp   Method   AAT/GAP
Start         8787                         End      9369
GI            33381_1.R1084                Score    772
Exons         8787..9189, 9297..9369
GI Descrip.   '5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa
              indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.      39823                        Seq. ID  OJ990730_06.0310.C30
Gene No.      82332                        Strand   -
Start         9343                         End      15116
Name          OJ990730_06.0310.C30.o6.tm   Method   TBLASTX:Maize
Start         3840                         End      4795
GI            none                         Score    110
Exons         3840..3989, 3851..3904, 4045..4251, 4097..4213, 4569..4661,
              4573..4665, 4575..4661, 4753..4794, 4757..4795

Seq. No.      39823                        Seq. ID  OJ990730_06.0310.C30
Gene No.      82332                        Strand   -
Start         9343                         End      15116
Name          OJ990730_06.0310.C30.o1.tm   Method   TBLASTX:Maize
Start         4796                         End      7457
GI            none                         Score    69
Exons         4796..4855, 5128..5175, 5129..5176, 5304..5384, 5305..5394,
              5368..5445, 5679..5714, 5681..5776, 5683..5781, 5854..5997,
              5862..6011, 5862..6008, 5864..6016, 5891..6022, 6095..6244,
              6096..6251, 6096..6263, 6321..6413, 6325..6429, 6346..6423,
              6879..6950, 6880..6951, 7125..7190, 7319..7456, 7334..7456,
              7335..7457

Seq. No.      39823                        Seq. ID  OJ990730_06.0310.C30
Gene No.      82332                        Strand   -
Start         9343                         End      15116
Name          OJ990730_06.0310.C30.o2.ts   Method   TBLASTX:Soybean
Start         5681                         End      6236
GI            none                         Score    116
Exons         5681..5776, 5686..5778, 5854..5916, 5862..6011, 5862..6035,
              6099..6236, 6101..6226

Seq. No.      39823                        Seq. ID  OJ990730_06.0310.C30
Gene No.      82332                        Strand   -
Start         9343                         End      15116
Name          OJ990730_06.0310.C30.o3.tm   Method   TBLASTX:Maize
Start         7545                         End      8016
GI            none                         Score    125
Exons         7545..7706, 7551..7706, 7576..7737, 7801..8016, 7802..7978,
              7803..7979

Seq. No.      39823                        Seq. ID  OJ990730_06.0310.C30
Gene No.      82332                        Strand   -
Start         9343                         End      15116
Name          OJ990730_06.0310.C30.o5.ts   Method   TBLASTX:Soybean
Start         7596                         End      7908
GI            none                         Score    158
Exons         7596..7706, 7597..7707, 7609..7710, 7794..7907, 7801..7908

Seq. No.      39823                        Seq. ID  OJ990730_06.0310.C30
Gene No.      82332                        Strand   -
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Start	9343	End	15116
Name	OJ990730_06.0310.C30.o7.tm	Method	TBLASTX:Maize
Start	8779	End	9187
GI	none	Score	133
Exons	8779..8796, 8911..8961, 8975..9049, 8976..9056, 8976..9059, 8977..9057, 9112..9177, 9116..9187		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o3.gs	Method	GENSCAN
Start	9343	End	15101
GI	none	Score	.84
Exons	9343..9723, 9828..9923, 10292..10563, 10701..10875, 10886..11191, 11336..11437, 11570..12028, 12122..12310, 12923..13040, 13631..13905, 15018..15101		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o2.np	Method	AAT/NAP
Start	9349	End	15116
GI	2147484	Score	2651
Exons	9349..9723, 9828..9923, 10292..10563, 10701..10875, 10991..11191, 11336..11437, 11570..12028, 12122..12310, 12923..13040, 13631..13851, 14985..15116		
GI Descrip.	homeotic protein - Phalaenopsis sp gi|1173622 (U34743) homeobox protein [Phalaenopsis sp. 'hybrid SM9108']		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o4.ts	Method	TBLASTX:Soybean
Start	9352	End	9651
GI	none	Score	123
Exons	9352..9489, 9353..9475, 9544..9651, 9554..9649		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o1.tc	Method	TBLASTX:Cress
Start	9359	End	13704
GI	none	Score	123
Exons	9359..9478, 9364..9489, 9541..9684, 9554..9724, 9644..9718, 9829..9924, 9852..9926, 9856..9924, 10287..10565, 10292..10570, 10705..10884, 10709..10804, 10744..10878, 10985..11191, 10986..11192, 11333..11437, 11337..11447, 11546..11719, 11574..11684, 11753..11848, 11978..12031, 11985..12044, 12111..12305, 12119..12319, 12917..13057, 12922..13038, 13630..13683, 13672..13704		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o2.tm	Method	TBLASTX:Maize
Start	9370	End	11017
GI	none	Score	162

Exons	9370..9489, 9371..9478, 9373..9495, 9541..9684, 9544..9582, 9554..9724, 9620..9718, 9829..9924, 9830..9925, 9849..9926, 10281..10580, 10292..10570, 10685..10807, 10702..10884, 10744..10896, 10985..11017

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o6.ts	Method	TBLASTX:Soybean
Start	9653	End	10453
GI	none	Score	79
Exons	9653..9718, 9668..9718, 9841..9924, 9845..9925, 9852..9926, 10281..10451, 10292..10453		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o1.ts	Method	TBLASTX:Soybean
Start	10497	End	11842
GI	none	Score	82
Exons	10497..10565, 10499..10570, 10697..10807, 10702..10884, 10986..11192, 10988..11191, 11222..11257, 11333..11437, 11333..11437, 11337..11447, 11337..11438, 11573..11707, 11574..11678, 11753..11797, 11753..11842		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o5.tm	Method	TBLASTX:Maize
Start	11018	End	11195
GI	none	Score	172
Exons	11018..11074, 11072..11185, 11076..11192, 11115..11195		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o2.gp	Method	AAT/GAP
Start	11590	End	12015
GI	5004265	Score	820
Exons	11590..12015		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o3.ts	Method	TBLASTX:Soybean
Start	11960	End	13000
GI	none	Score	60
Exons	11960..12049, 11979..12029, 12119..12319, 12138..12305, 12917..13000		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o4.tm	Method	TBLASTX:Maize
Start	11960	End	13000
GI	none	Score	66
Exons	11960..12031, 11979..12029, 12111..12305, 12119..12319,		

12239..12316, 12917..13000

Seq. No.	39824	Seq. ID	OJ990730_06.0310.C31
Gene No.	82333	Strand	-
Start	1	End	320
Name	OJ990730_06.0310.C31.o1.np	Method	AAT/NAP
Start	1	End	320
GI	6069659	Score	101
Exons	1..53, 204..320		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	39824	Seq. ID	OJ990730_06.0310.C31
Gene No.	82334	Strand	-
Start	470	End	798
Name	OJ990730_06.0310.C31.o2.np	Method	AAT/NAP
Start	470	End	798
GI	6907088	Score	336
Exons	470..798		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39825	Seq. ID	OJ990730_06.0310.C32
Gene No.	82335	Strand	-
Start	1	End	1061
Name	OJ990730_06.0310.C32.o1.np	Method	AAT/NAP
Start	1	End	1061
GI	6907088	Score	600
Exons	1..59, 559..796, 924..1061		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39826	Seq. ID	OJ990730_06.0310.C33
Gene No.	82336	Strand	+
Start	2039	End	3045
Name	OJ990730_06.0310.C33.o2.gs	Method	GENSCAN
Start	2039	End	3045
GI	none	Score	.45
Exons	2039..2857, 2944..3045		

Seq. No.	39826	Seq. ID	OJ990730_06.0310.C33
Gene No.	82337	Strand	+
Start	5325	End	6322
Name	OJ990730_06.0310.C33.o1.np	Method	AAT/NAP
Start	5325	End	6322
GI	7228442	Score	913
Exons	5325..6322		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39826	Seq. ID	OJ990730_06.0310.C33
Gene No.	82338	Strand	-
Start	617	End	1354
Name	OJ990730_06.0310.C33.o1.gs	Method	GENSCAN
Start	617	End	1354
GI	none	Score	.9
Exons	617..1354		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35

Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.np	Method	AAT/NAP
Start	243	End	3602
GI	4680179	Score	4038
Exons	243..3602		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.gs	Method	GENSCAN
Start	272	End	3316
GI	none	Score	.46
Exons	272..793, 1013..1351, 1419..1934, 2105..2611, 2663..3316		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o5.tw	Method	TBLASTX:Wheat
Start	287	End	620
GI	none	Score	99
Exons	287..619, 308..457, 351..620		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o7.tm	Method	TBLASTX:Maize
Start	302	End	460
GI	none	Score	60
Exons	302..460, 339..428		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.tm	Method	TBLASTX:Maize
Start	470	End	1066
GI	none	Score	151
Exons	470..907, 470..907, 905..1063, 912..1058, 914..1066		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	620	End	1246
GI	none	Score	158
Exons	620..1246, 671..1099, 744..1151		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o4.tm	Method	TBLASTX:Maize
Start	1115	End	1407
GI	none	Score	105
Exons	1115..1405, 1118..1333, 1215..1394, 1282..1407		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35

Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o2.ts	Method	TBLASTX:Soybean
Start	1205	End	1408
GI	none	Score	125
Exons	1205..1408, 1215..1388		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o3.tw	Method	TBLASTX:Wheat
Start	1253	End	1778
GI	none	Score	162
Exons	1253..1414, 1257..1415, 1301..1462, 1410..1778, 1416..1541, 1417..1626		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o2.tm	Method	TBLASTX:Maize
Start	1821	End	2173
GI	none	Score	79
Exons	1821..1991, 1864..1992, 1988..2173, 1989..2171		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o2.tw	Method	TBLASTX:Wheat
Start	1821	End	2246
GI	none	Score	101
Exons	1821..1994, 1873..1995, 1976..2188, 1988..2245, 1989..2246		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o3.ts	Method	TBLASTX:Soybean
Start	1994	End	2239
GI	none	Score	205
Exons	1994..2239		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o5.tm	Method	TBLASTX:Maize
Start	2180	End	2527
GI	none	Score	65
Exons	2180..2527, 2325..2459		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o6.tw	Method	TBLASTX:Wheat
Start	2252	End	2548
GI	none	Score	66
Exons	2252..2548, 2272..2487, 2289..2504, 2312..2548		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35

Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.ts	Method	TBLASTX:Soybean
Start	2261	End	2656
GI	none	Score	150
Exons	2261..2620, 2289..2504, 2312..2620, 2544..2639, 2624..2656, 2624..2656		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o3.tm	Method	TBLASTX:Maize
Start	2543	End	3010
GI	none	Score	94
Exons	2543..3010, 2762..2938		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o4.tw	Method	TBLASTX:Wheat
Start	2597	End	3080
GI	none	Score	173
Exons	2597..3079, 2606..3052, 2625..3080		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o6.tm	Method	TBLASTX:Maize
Start	3011	End	3217
GI	none	Score	162
Exons	3011..3217, 3012..3158		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o7.tw	Method	TBLASTX:Wheat
Start	3221	End	3599
GI	none	Score	80
Exons	3221..3391, 3276..3395, 3404..3595, 3471..3599		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o8.tm	Method	TBLASTX:Maize
Start	3308	End	3596
GI	none	Score	63
Exons	3308..3583, 3519..3596		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82340	Strand	+
Start	3480	End	4190
Name	OJ990730_06.0310.C36.o3.np	Method	AAT/NAP
Start	3480	End	4190
GI	6907088	Score	535
Exons	3480..3617, 3793..4190		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82341	Strand	-
Start	1	End	2317
Name	OJ990730_06.0310.C36.o1.np	Method	AAT/NAP
Start	1	End	2091
GI	4680179	Score	456
Exons	1..822, 1908..2091		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82341	Strand	-
Start	1	End	2317
Name	OJ990730_06.0310.C36.o2.np	Method	AAT/NAP
Start	1537	End	2317
GI	6002794	Score	1224
Exons	1537..2317		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82342	Strand	-
Start	2899	End	3416
Name	OJ990730_06.0310.C36.o1.tm	Method	TBLASTX:Maize
Start	180	End	581
GI	none	Score	239
Exons	180..581		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82342	Strand	-
Start	2899	End	3416
Name	OJ990730_06.0310.C36.o1.tw	Method	TBLASTX:Wheat
Start	462	End	839
GI	none	Score	265
Exons	462..839		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82342	Strand	-
Start	2899	End	3416
Name	OJ990730_06.0310.C36.o2.gs	Method	GENSCAN
Start	2899	End	3416
GI	none	Score	.93
Exons	2899..2972, 3407..3416		

Seq. No.	39829	Seq. ID	OJ990730_06.0310.C37
Gene No.	82343	Strand	+
Start	1	End	857
Name	OJ990730_06.0310.C37.o1.np	Method	AAT/NAP
Start	1	End	857
GI	6983857	Score	755
Exons	1..72, 134..857		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39829	Seq. ID	OJ990730_06.0310.C37
Gene No.	82343	Strand	+
Start	1	End	857
Name	OJ990730_06.0310.C37.o1.gs	Method	GENSCAN
Start	231	End	725
GI	none	Score	.98

Exons	231..725		

Seq. No.	39830	Seq. ID	OJ990810_04.0303.C1
Gene No.	82344	Strand	+
Start	1	End	276
Name	OJ990810_04.0303.C1.o1.gp	Method	AAT/GAP
Start	1	End	276
GI	uC-osflcyp033a04b1	Score	470
Exons	1..276		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39830	Seq. ID	OJ990810_04.0303.C1
Gene No.	82345	Strand	+
Start	717	End	783
Name	OJ990810_04.0303.C1.o1.gs	Method	GENSCAN
Start	717	End	783
GI	none	Score	.46
Exons	717..783		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82346	Strand	+
Start	2991	End	8431
Name	OJ990810_04.0303.C2.o2.np	Method	AAT/NAP
Start	2991	End	8211
GI	5852180	Score	813
Exons	2991..3045, 6582..6639, 7629..7745, 7798..8211		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82346	Strand	+
Start	2991	End	8431
Name	OJ990810_04.0303.C2.o3.gs	Method	GENSCAN
Start	6833	End	8431
GI	none	Score	.99
Exons	6833..6893, 7629..8431		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82347	Strand	-
Start	1	End	5814
Name	OJ990810_04.0303.C2.o1.np	Method	AAT/NAP
Start	1	End	5737
GI	7228457	Score	7638
Exons	1..31, 845..1578, 1623..2774, 2897..3729, 3793..5737		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82347	Strand	-
Start	1	End	5814
Name	OJ990810_04.0303.C2.o1.gs	Method	GENSCAN
Start	760	End	2656
GI	none	Score	.6
Exons	760..1578, 1623..2492, 2510..2656		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2

Gene No.	82347	Strand	-
Start	1	End	5814
Name	OJ990810_04.0303.C2.o2.gs	Method	GENSCAN
Start	2920	End	5814
GI	none	Score	.54
Exons	2920..3729, 3793..4278, 4304..5083, 5101..5213, 5367..5814		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o5.tw	Method	TBLASTX:Wheat
Start	811	End	1155
GI	none	Score	174
Exons	811..1155, 848..1132, 850..1134		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	812	End	1158
GI	none	Score	207
Exons	812..1012, 841..1158, 842..1129		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o4.tw	Method	TBLASTX:Wheat
Start	1644	End	2102
GI	none	Score	91
Exons	1644..1793, 1645..1782, 1837..2013, 1854..2102, 1854..2078		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	2703	End	3072
GI	none	Score	79
Exons	2703..2933, 2938..3072, 2939..3055		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	2733	End	3151
GI	none	Score	114
Exons	2733..2933, 2758..2934, 2917..3096, 2932..3150, 2933..3151		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	2826	End	3208
GI	none	Score	192
Exons	2826..2933, 2932..3207, 2933..3208		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-

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Start          6488                         End      8703
Name           OJ990810_04.0303.C2.o1.tm    Method   TBLASTX:Maize
Start          3235                         End      3591
GI             none                         Score    132
Exons          3235..3540, 3235..3591, 3245..3556

Seq. No.       39831                        Seq. ID  OJ990810_04.0303.C2
Gene No.       82348                        Strand   -
Start          6488                         End      8703
Name           OJ990810_04.0303.C2.o1.tw    Method   TBLASTX:Wheat
Start          3259                         End      3722
GI             none                         Score    233
Exons          3259..3720, 3265..3720, 3266..3721, 3279..3722

Seq. No.       39831                        Seq. ID  OJ990810_04.0303.C2
Gene No.       82348                        Strand   -
Start          6488                         End      8703
Name           OJ990810_04.0303.C2.o2.ts    Method   TBLASTX:Soybean
Start          3316                         End      3681
GI             none                         Score    118
Exons          3316..3450, 3457..3681

Seq. No.       39831                        Seq. ID  OJ990810_04.0303.C2
Gene No.       82348                        Strand   -
Start          6488                         End      8703
Name           OJ990810_04.0303.C2.o3.tw    Method   TBLASTX:Wheat
Start          3886                         End      4382
GI             none                         Score    152
Exons          3886..4254, 3917..4177, 4277..4381, 4305..4382

Seq. No.       39831                        Seq. ID  OJ990810_04.0303.C2
Gene No.       82348                        Strand   -
Start          6488                         End      8703
Name           OJ990810_04.0303.C2.o6.tw    Method   TBLASTX:Wheat
Start          5119                         End      5511
GI             none                         Score    93
Exons          5119..5376, 5153..5392, 5359..5457, 5360..5452, 5464..5511

Seq. No.       39831                        Seq. ID  OJ990810_04.0303.C2
Gene No.       82348                        Strand   -
Start          6488                         End      8703
Name           OJ990810_04.0303.C2.o4.tm    Method   TBLASTX:Maize
Start          5221                         End      5506
GI             none                         Score    82
Exons          5221..5469, 5222..5506

Seq. No.       39831                        Seq. ID  OJ990810_04.0303.C2
Gene No.       82348                        Strand   -
Start          6488                         End      8703
Name           OJ990810_04.0303.C2.o1.gp    Method   AAT/GAP
Start          6488                         End      6873
GI             uC-osflcyp033a04b1           Score    661
Exons          6488..6873
GI Descrip.    '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic
               DNA, chromosome 1, clone:P0711E10'

Seq. No.       39831                        Seq. ID  OJ990810_04.0303.C2
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Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o3.np	Method	AAT/NAP
Start	6550	End	8703
GI	2129478	Score	93
Exons	6550..6571, 7966..8174, 8382..8703		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82349	Strand	+
Start	1	End	2149
Name	OJ990810_04.0303.C3.o2.np	Method	AAT/NAP
Start	1	End	1225
GI	7523512	Score	163
Exons	1..41, 1103..1225		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82349	Strand	+
Start	1	End	2149
Name	OJ990810_04.0303.C3.o1.gs	Method	GENSCAN
Start	84	End	2149
GI	none	Score	.73
Exons	84..167, 289..428, 653..735, 975..1050, 1329..1467, 1994..2149		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82350	Strand	-
Start	237	End	815
Name	OJ990810_04.0303.C3.o1.np	Method	AAT/NAP
Start	237	End	815
GI	5042454	Score	212
Exons	237..290, 632..815		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82350	Strand	-
Start	237	End	815
Name	OJ990810_04.0303.C3.o1.gp	Method	AAT/GAP
Start	353	End	773
GI	uC-osflcyp172a09a1	Score	640
Exons	353..380, 410..773		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82351	Strand	-
Start	2640	End	3656
Name	OJ990810_04.0303.C3.o2.gs	Method	GENSCAN
Start	2640	End	3656
GI	none	Score	1
Exons	2640..3656		

Seq. No.	39833	Seq. ID	OJ990810_04.0303.C4
Gene No.	82352	Strand	+
Start	36	End	548

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Name          OJ990810_04.0303.C4.o1.gs      Method    GENSCAN
Start         36                             End       548
GI            none                           Score     .99
Exons         36..548

Seq. No.      39833                          Seq. ID   OJ990810_04.0303.C4
Gene No.      82353                          Strand    -
Start         1334                           End       1507
Name          OJ990810_04.0303.C4.o2.gs      Method    GENSCAN
Start         1334                           End       1507
GI            none                           Score     .85
Exons         1334..1507

Seq. No.      39834                          Seq. ID   OJ990810_04.0303.C9
Gene No.      82354                          Strand    -
Start         1                              End       1722
Name          OJ990810_04.0303.C9.o1.np      Method    AAT/NAP
Start         1                              End       1722
GI            4680179                        Score     1270
Exons         1..603, 637..1722
GI Descrip.   (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.      39834                          Seq. ID   OJ990810_04.0303.C9
Gene No.      82354                          Strand    -
Start         1                              End       1722
Name          OJ990810_04.0303.C9.o1.gs      Method    GENSCAN
Start         72                             End       1719
GI            none                           Score     .78
Exons         72..164, 525..1719

Seq. No.      39834                          Seq. ID   OJ990810_04.0303.C9
Gene No.      82355                          Strand    -
Start         1972                           End       2316
Name          OJ990810_04.0303.C9.o2.tw      Method    TBLASTX:Wheat
Start         139                            End       576
GI            none                           Score     61
Exons         139..180, 208..321, 209..322, 367..576, 368..520

Seq. No.      39834                          Seq. ID   OJ990810_04.0303.C9
Gene No.      82355                          Strand    -
Start         1972                           End       2316
Name          OJ990810_04.0303.C9.o2.tm      Method    TBLASTX:Maize
Start         259                            End       612
GI            none                           Score     187
Exons         259..612

Seq. No.      39834                          Seq. ID   OJ990810_04.0303.C9
Gene No.      82355                          Strand    -
Start         1972                           End       2316
Name          OJ990810_04.0303.C9.o1.tw      Method    TBLASTX:Wheat
Start         895                            End       1246
GI            none                           Score     117
Exons         895..1245, 1052..1246

Seq. No.      39834                          Seq. ID   OJ990810_04.0303.C9
Gene No.      82355                          Strand    -
Start         1972                           End       2316
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Name	OJ990810_04.0303.C9.o1.tm	Method	TBLASTX:Maize
Start	940	End	1245
GI	none	Score	91
Exons	940..1245, 1067..1231		

Seq. No.	39834	Seq. ID	OJ990810_04.0303.C9
Gene No.	82355	Strand	-
Start	1972	End	2316
Name	OJ990810_04.0303.C9.o3.tw	Method	TBLASTX:Wheat
Start	1280	End	1479
GI	none	Score	117
Exons	1280..1477, 1282..1479		

Seq. No.	39834	Seq. ID	OJ990810_04.0303.C9
Gene No.	82355	Strand	-
Start	1972	End	2316
Name	OJ990810_04.0303.C9.o2.gs	Method	GENSCAN
Start	1972	End	2313
GI	none	Score	.59
Exons	1972..2313		

Seq. No.	39834	Seq. ID	OJ990810_04.0303.C9
Gene No.	82355	Strand	-
Start	1972	End	2316
Name	OJ990810_04.0303.C9.o1.gp	Method	AAT/GAP
Start	2052	End	2316
GI	95437_1.R1084	Score	406
Exons	2052..2316		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	39835	Seq. ID	OJ990810_04.0303.C10
Gene No.	82356	Strand	+
Start	1	End	2778
Name	OJ990810_04.0303.C10.o3.np	Method	AAT/NAP
Start	1	End	2778
GI	4680186	Score	98
Exons	1..76, 1829..1880, 2714..2778		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39835	Seq. ID	OJ990810_04.0303.C10
Gene No.	82357	Strand	-
Start	1	End	2778
Name	OJ990810_04.0303.C10.o1.np	Method	AAT/NAP
Start	1	End	524
GI	6983860	Score	406
Exons	1..392, 438..524		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39835	Seq. ID	OJ990810_04.0303.C10
Gene No.	82357	Strand	-
Start	1	End	2778
Name	OJ990810_04.0303.C10.o1.tw	Method	TBLASTX:Wheat
Start	9	End	311
GI	none	Score	43

Exons	9..74, 13..51, 85..282, 87..284, 291..311		

Seq. No.	39835	Seq. ID	OJ990810_04.0303.C10
Gene No.	82357	Strand	-
Start	1	End	2778
Name	OJ990810_04.0303.C10.o1.gs	Method	GENSCAN
Start	115	End	2743
GI	none	Score	.93
Exons	115..524, 696..778, 817..1582, 2678..2743		

Seq. No.	39835	Seq. ID	OJ990810_04.0303.C10
Gene No.	82357	Strand	-
Start	1	End	2778
Name	OJ990810_04.0303.C10.o1.gp	Method	AAT/GAP
Start	2465	End	2778
GI	uC-osflcyp033a04b1	Score	537
Exons	2465..2778		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82358	Strand	+
Start	1	End	712
Name	OJ990810_04.0303.C11.o1.np	Method	AAT/NAP
Start	1	End	712
GI	5852180	Score	548
Exons	1..26, 141..250, 302..712		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82359	Strand	-
Start	128	End	831
Name	OJ990810_04.0303.C11.o1.gs	Method	GENSCAN
Start	128	End	831
GI	none	Score	.77
Exons	128..277, 457..831		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82360	Strand	-
Start	1452	End	1891
Name	OJ990810_04.0303.C11.o2.gs	Method	GENSCAN
Start	1452	End	1847
GI	none	Score	.96
Exons	1452..1847		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82360	Strand	-
Start	1452	End	1891
Name	OJ990810_04.0303.C11.o2.np	Method	AAT/NAP
Start	1455	End	1891
GI	6983860	Score	631
Exons	1455..1891		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82360	Strand	-

Start	1452	End	1891
Name	OJ990810_04.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	1500	End	1889
GI	none	Score	187
Exons	1500..1889, 1564..1887		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82360	Strand	-
Start	1452	End	1891
Name	OJ990810_04.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	1596	End	1857
GI	none	Score	179
Exons	1596..1856, 1597..1857		

Seq. No.	39837	Seq. ID	OJ990810_04.0303.C12
Gene No.	82361	Strand	-
Start	590	End	1384
Name	OJ990810_04.0303.C12.o1.gs	Method	GENSCAN
Start	590	End	1384
GI	none	Score	.97
Exons	590..1384		

Seq. No.	39837	Seq. ID	OJ990810_04.0303.C12
Gene No.	82361	Strand	-
Start	590	End	1384
Name	OJ990810_04.0303.C12.o1.np	Method	AAT/NAP
Start	593	End	1384
GI	6983858	Score	1258
Exons	593..1384		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	39838	Seq. ID	OJ990810_04.0303.C13
Gene No.	82362	Strand	+
Start	1	End	380
Name	OJ990810_04.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	377
GI	6539586	Score	578
Exons	1..377		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39838	Seq. ID	OJ990810_04.0303.C13
Gene No.	82362	Strand	+
Start	1	End	380
Name	OJ990810_04.0303.C13.o1.gs	Method	GENSCAN
Start	48	End	380
GI	none	Score	.98
Exons	48..380		

Seq. No.	39838	Seq. ID	OJ990810_04.0303.C13
Gene No.	82363	Strand	-
Start	1011	End	1142
Name	OJ990810_04.0303.C13.o2.gs	Method	GENSCAN
Start	1011	End	1136
GI	none	Score	.95
Exons	1011..1136		

Seq. No.	39838	Seq. ID	OJ990810_04.0303.C13
Gene No.	82363	Strand	-
Start	1011	End	1142
Name	OJ990810_04.0303.C13.o2.np	Method	AAT/NAP
Start	1014	End	1142
GI	6498441	Score	235
Exons	1014..1142		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.gs	Method	GENSCAN
Start	63	End	924
GI	none	Score	.8
Exons	63..121, 190..307, 616..924		

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.gp	Method	AAT/GAP
Start	591	End	944
GI	82047_1.R1084	Score	461
Exons	591..944		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.tm	Method	TBLASTX:Maize
Start	625	End	943
GI	none	Score	208
Exons	625..849, 756..845, 869..943, 869..928		

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.np	Method	AAT/NAP
Start	667	End	944
GI	7484780	Score	177
Exons	667..944		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.tc	Method	TBLASTX:Cress
Start	673	End	943
GI	none	Score	163
Exons	673..849, 869..943		

Seq. No.	39840	Seq. ID	OJ990810_04.0303.C17
Gene No.	82365	Strand	+
Start	1	End	1320
Name	OJ990810_04.0303.C17.o1.np	Method	AAT/NAP
Start	1	End	1320
GI	7485592	Score	1131
Exons	1..222, 283..1320		
GI Descrip.	hypothetical protein F17A8.10 - Arabidopsis thaliana gi|4538896|emb|CAB39633.1| (AL049482) putative protein [Arabidopsis thaliana] gi|7267661|emb|CAB78089.1| (AL161515) putative protein [Arabidopsis thaliana]		

Seq. No.	39840	Seq. ID	OJ990810_04.0303.C17
Gene No.	82365	Strand	+
Start	1	End	1320
Name	OJ990810_04.0303.C17.o1.tm	Method	TBLASTX:Maize
Start	118	End	510
GI	none	Score	243
Exons	118..378, 144..356, 145..402, 438..506, 442..510		

Seq. No.	39841	Seq. ID	OJ990810_04.0303.C18
Gene No.	82366	Strand	-
Start	137	End	1229
Name	OJ990810_04.0303.C18.o1.gs	Method	GENSCAN
Start	137	End	1229
GI	none	Score	.48
Exons	137..895, 1190..1229		

Seq. No.	39842	Seq. ID	OJ990810_04.0303.C19
Gene No.	82367	Strand	-
Start	341	End	1381
Name	OJ990810_04.0303.C19.o1.gs	Method	GENSCAN
Start	341	End	1381
GI	none	Score	.68
Exons	341..569, 750..863, 930..1073, 1152..1381		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82368	Strand	+
Start	4806	End	11063
Name	OJ990810_04.0303.C20.o2.gs	Method	GENSCAN
Start	4806	End	8796
GI	none	Score	.55
Exons	4806..4953, 6345..6448, 7872..8000, 8467..8796		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82368	Strand	+
Start	4806	End	11063
Name	OJ990810_04.0303.C20.o2.np	Method	AAT/NAP
Start	8334	End	11063
GI	7106512	Score	527
Exons	8334..8393, 8467..9291, 9346..9434, 9675..10228, 10797..11063		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82369	Strand	-

Start	1	End	2276
Name	OJ990810_04.0303.C20.o1.np	Method	AAT/NAP
Start	1	End	1895
GI	7487455	Score	96
Exons	1..23, 1181..1262, 1339..1415, 1464..1603, 1679..1895		
GI Descrip.	hypothetical protein T26M18.70 - Arabidopsis thaliana gi|5002521|emb|CAB44324.1| (AL078606) putative protein [Arabidopsis thaliana] gi|7267886|emb|CAB78229.1| (AL161532) putative protein [Arabidopsis thaliana]		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82369	Strand	-
Start	1	End	2276
Name	OJ990810_04.0303.C20.o1.gs	Method	GENSCAN
Start	208	End	2276
GI	none	Score	.75
Exons	208..348, 434..511, 596..677, 752..1029, 1494..1603, 1679..2276		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82370	Strand	-
Start	8993	End	9238
Name	OJ990810_04.0303.C20.o3.gs	Method	GENSCAN
Start	8993	End	9238
GI	none	Score	.83
Exons	8993..9106, 9164..9238		

Seq. No.	39844	Seq. ID	OJ990810_04.0303.C22
Gene No.	82371	Strand	+
Start	470	End	1174
Name	OJ990810_04.0303.C22.o1.gs	Method	GENSCAN
Start	470	End	1174
GI	none	Score	.63
Exons	470..1174		

Seq. No.	39844	Seq. ID	OJ990810_04.0303.C22
Gene No.	82372	Strand	-
Start	1597	End	2073
Name	OJ990810_04.0303.C22.o2.gs	Method	GENSCAN
Start	1597	End	1992
GI	none	Score	.83
Exons	1597..1992		

Seq. No.	39844	Seq. ID	OJ990810_04.0303.C22
Gene No.	82372	Strand	-
Start	1597	End	2073
Name	OJ990810_04.0303.C22.o1.np	Method	AAT/NAP
Start	1600	End	2073
GI	6983860	Score	794
Exons	1600..2073		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39844	Seq. ID	OJ990810_04.0303.C22
Gene No.	82372	Strand	-
Start	1597	End	2073
Name	OJ990810_04.0303.C22.o1.tw	Method	TBLASTX:Wheat
Start	1645	End	2067

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GI            none                        Score    171
Exons         1645..2067, 1697..2047

Seq. No.      39844                       Seq. ID  OJ990810_04.0303.C22
Gene No.      82372                       Strand   -
Start         1597                        End      2073
Name          OJ990810_04.0303.C22.o1.tm  Method   TBLASTX:Maize
Start         1840                        End      2073
GI            none                        Score    130
Exons         1840..2073, 1841..2071

Seq. No.      39845                       Seq. ID  OJ990810_04.0303.C24
Gene No.      82373                       Strand   +
Start         1                           End      1271
Name          OJ990810_04.0303.C24.o1.np  Method   AAT/NAP
Start         1                           End      1271
GI            4680179                     Score    1796
Exons         1..1271
GI Descrip.   (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.      39845                       Seq. ID  OJ990810_04.0303.C24
Gene No.      82373                       Strand   +
Start         1                           End      1271
Name          OJ990810_04.0303.C24.o4.tw  Method   TBLASTX:Wheat
Start         1                           End      160
GI            none                        Score    234
Exons         1..150, 2..157, 92..160

Seq. No.      39845                       Seq. ID  OJ990810_04.0303.C24
Gene No.      82373                       Strand   +
Start         1                           End      1271
Name          OJ990810_04.0303.C24.o2.tm  Method   TBLASTX:Maize
Start         5                           End      499
GI            none                        Score    159
Exons         5..178, 7..153, 185..499, 325..378, 406..456

Seq. No.      39845                       Seq. ID  OJ990810_04.0303.C24
Gene No.      82373                       Strand   +
Start         1                           End      1271
Name          OJ990810_04.0303.C24.o1.gs  Method   GENSCAN
Start         20                          End      1257
GI            none                        Score    .67
Exons         20..1257

Seq. No.      39845                       Seq. ID  OJ990810_04.0303.C24
Gene No.      82373                       Strand   +
Start         1                           End      1271
Name          OJ990810_04.0303.C24.o1.ts  Method   TBLASTX:Soybean
Start         53                          End      448
GI            none                        Score    57
Exons         53..85, 55..84, 89..448, 91..129, 157..447

Seq. No.      39845                       Seq. ID  OJ990810_04.0303.C24
Gene No.      82373                       Strand   +
Start         1                           End      1271
Name          OJ990810_04.0303.C24.o2.tw  Method   TBLASTX:Wheat
Start         161                         End      463
```

GI	none	Score	381
Exons	161..463, 163..447		

Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o1.tw	Method	TBLASTX:Wheat
Start	464	End	967
GI	none	Score	629
Exons	464..967, 496..885		

Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o2.ts	Method	TBLASTX:Soybean
Start	470	End	715
GI	none	Score	207
Exons	470..715, 487..615		

Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o1.tm	Method	TBLASTX:Maize
Start	535	End	898
GI	none	Score	482
Exons	535..885, 536..889, 536..898		

Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o3.tw	Method	TBLASTX:Wheat
Start	967	End	1270
GI	none	Score	330
Exons	967..1260, 968..1270, 992..1270		

Seq. No.	39846	Seq. ID	OJ990810_04.0303.C27
Gene No.	82374	Strand	-
Start	264	End	1377
Name	OJ990810_04.0303.C27.o1.gs	Method	GENSCAN
Start	264	End	1377
GI	none	Score	.48
Exons	264..366, 1023..1051, 1141..1377		

Seq. No.	39846	Seq. ID	OJ990810_04.0303.C27
Gene No.	82374	Strand	-
Start	264	End	1377
Name	OJ990810_04.0303.C27.o1.np	Method	AAT/NAP
Start	264	End	1306
GI	7452055	Score	102
Exons	264..360, 949..1306		
GI Descrip.	hypothetical protein T29H11.10 - Arabidopsis thaliana gi|4678341|emb|CAB41151.1| (AL049659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39847	Seq. ID	OJ990810_04.0303.C28
Gene No.	82375	Strand	+
Start	1	End	159

Name	OJ990810_04.0303.C28.o1.np	Method	AAT/NAP
Start	1	End	159
GI	7523512	Score	174
Exons	1..159		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39847	Seq. ID	OJ990810_04.0303.C28
Gene No.	82376	Strand	+
Start	797	End	2793
Name	OJ990810_04.0303.C28.o1.gs	Method	GENSCAN
Start	797	End	2786
GI	none	Score	.94
Exons	797..2031, 2153..2786		

Seq. No.	39847	Seq. ID	OJ990810_04.0303.C28
Gene No.	82376	Strand	+
Start	797	End	2793
Name	OJ990810_04.0303.C28.o2.np	Method	AAT/NAP
Start	797	End	2793
GI	5803259	Score	2662
Exons	797..2058, 2153..2793		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39848	Seq. ID	OJ990810_04.0303.C29
Gene No.	82377	Strand	+
Start	1	End	1061
Name	OJ990810_04.0303.C29.o1.np	Method	AAT/NAP
Start	1	End	1061
GI	4220462	Score	369
Exons	1..154, 250..384, 499..818, 920..1061		
GI Descrip.	(AC006216) Strong similarity to gb|Z50851 HD-zip (athb-8) gene from Arabidopsis thaliana containing Homeobox PF|00046 and bZIP PF|00170 domains		

Seq. No.	39848	Seq. ID	OJ990810_04.0303.C29
Gene No.	82377	Strand	+
Start	1	End	1061
Name	OJ990810_04.0303.C29.o1.tm	Method	TBLASTX:Maize
Start	74	End	336
GI	none	Score	113
Exons	74..157, 76..153, 228..335, 237..326, 247..336, 247..336		

Seq. No.	39848	Seq. ID	OJ990810_04.0303.C29
Gene No.	82377	Strand	+
Start	1	End	1061
Name	OJ990810_04.0303.C29.o2.tm	Method	TBLASTX:Maize
Start	604	End	1031
GI	none	Score	134
Exons	604..708, 605..736, 784..822, 921..1031		

Seq. No.	39848	Seq. ID	OJ990810_04.0303.C29
Gene No.	82377	Strand	+
Start	1	End	1061
Name	OJ990810_04.0303.C29.o1.gs	Method	GENSCAN
Start	608	End	818
GI	none	Score	.53
Exons	608..818		

Seq. No.	39849	Seq. ID	OJ990810_04.0303.C30
Gene No.	82378	Strand	+
Start	293	End	2876
Name	OJ990810_04.0303.C30.o1.np	Method	AAT/NAP
Start	293	End	2876
GI	5922608	Score	177
Exons	293..328, 1760..1876, 2029..2175, 2853..2876		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82379	Strand	+
Start	5	End	6660
Name	OJ990810_04.0303.C31.o1.gs	Method	GENSCAN
Start	5	End	6660
GI	none	Score	.4
Exons	5..42, 128..175, 2162..2227, 2300..2331, 4860..4951, 4996..5178, 5397..5505, 6533..6660		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82379	Strand	+
Start	5	End	6660
Name	OJ990810_04.0303.C31.o1.np	Method	AAT/NAP
Start	2436	End	3482
GI	7489377	Score	101
Exons	2436..2482, 2572..2671, 3438..3482		
GI Descrip.	hypothetical protein - barley (fragment) gi|3355618|emb|CAA03958.1| (AJ000232) unnamed protein product [Hordeum vulgare]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82379	Strand	+
Start	5	End	6660
Name	OJ990810_04.0303.C31.o2.np	Method	AAT/NAP
Start	5109	End	6437
GI	5922608	Score	186
Exons	5109..5178, 5331..5543, 6317..6437		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82380	Strand	+
Start	14773	End	18601
Name	OJ990810_04.0303.C31.o5.np	Method	AAT/NAP
Start	14773	End	18601
GI	5777623	Score	738
Exons	14773..14840, 15024..15065, 16330..16553, 16951..17545, 18359..18601		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82380	Strand	+
Start	14773	End	18601
Name	OJ990810_04.0303.C31.o7.np	Method	AAT/NAP
Start	15584	End	18601
GI	5777623	Score	722
Exons	15584..15650, 16339..16553, 16951..17545, 18359..18601		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82381	Strand	+
Start	19262	End	19770
Name	OJ990810_04.0303.C31.o2.gp	Method	AAT/GAP
Start	19262	End	19770
GI	38782_1.R1084	Score	768
Exons	19262..19770		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82382	Strand	+
Start	22804	End	26491
Name	OJ990810_04.0303.C31.o4.gs	Method	GENSCAN
Start	22804	End	26178
GI	none	Score	.82
Exons	22804..22864, 23653..24149, 26101..26178		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82382	Strand	+
Start	22804	End	26491
Name	OJ990810_04.0303.C31.o4.gp	Method	AAT/GAP
Start	23686	End	26491
GI	none	Score	1156
Exons	23686..24149, 26101..26178, 26436..26491		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82383	Strand	-
Start	7843	End	11199
Name	OJ990810_04.0303.C31.o2.gs	Method	GENSCAN
Start	7843	End	11199
GI	none	Score	.87
Exons	7843..8708, 8781..8932, 9172..9248, 9366..9547, 10705..10877, 11189..11199		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82384	Strand	-
Start	13437	End	15334
Name	OJ990810_04.0303.C31.o3.np	Method	AAT/NAP
Start	13437	End	15334
GI	6983857	Score	1352
Exons	13437..13760, 13878..14425, 14593..15153, 15217..15334		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82385	Strand	-
Start	15320	End	20440
Name	OJ990810_04.0303.C31.o4.np	Method	AAT/NAP
Start	15320	End	17822
GI	6983857	Score	943
Exons	15320..15401, 16179..16911, 17082..17642, 17705..17822		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82385	Strand	-
Start	15320	End	20440

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Name           OJ990810_04.0303.C31.o1.gp    Method   AAT/GAP
Start          15398                         End      15587
GI             5667165                       Score    342
Exons          15398..15587
GI Descrip.    5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp.
               japonica BAC clone 34K24, complete sequence

Seq. No.       39850                         Seq. ID  OJ990810_04.0303.C31
Gene No.       82385                         Strand   -
Start          15320                         End      20440
Name           OJ990810_04.0303.C31.o6.np    Method   AAT/NAP
Start          17453                         End      18886
GI             6907088                       Score    991
Exons          17453..17840, 18335..18573, 18749..18886
GI Descrip.    (AP001129) hypothetical protein [Oryza sativa]

Seq. No.       39850                         Seq. ID  OJ990810_04.0303.C31
Gene No.       82385                         Strand   -
Start          15320                         End      20440
Name           OJ990810_04.0303.C31.o8.np    Method   AAT/NAP
Start          18509                         End      20440
GI             4680186                       Score    188
Exons          18509..18927, 19854..19913, 20394..20440
GI Descrip.    (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.       39850                         Seq. ID  OJ990810_04.0303.C31
Gene No.       82386                         Strand   -
Start          22947                         End      23291
Name           OJ990810_04.0303.C31.o3.gp    Method   AAT/GAP
Start          22947                         End      23291
GI             none                          Score    499
Exons          22947..23291

Seq. No.       39851                         Seq. ID  OJ990810_04.0303.C32
Gene No.       82387                         Strand   +
Start          1                             End      16986
Name           OJ990810_04.0303.C32.o1.np    Method   AAT/NAP
Start          1                             End      16986
GI             7488380                       Score    933
Exons          1..39, 12395..12485, 12615..12770, 12860..12934, 13017..13123,
               13217..13403, 13500..13656, 13753..13830, 13926..14060,
               14175..14538, 14658..14721, 16966..16986
GI Descrip.    transcription factor HD-zip - Arabidopsis thaliana
               gi|1149569|emb|CAA90703.1| (Z50851) HD-zip [Arabidopsis
               thaliana] gi|7270235|emb|CAB80005.1| (AL161582) HD-zip
               transcription factor (athb-8) [Arabidopsis thaliana]

Seq. No.       39851                         Seq. ID  OJ990810_04.0303.C32
Gene No.       82387                         Strand   +
Start          1                             End      16986
Name           OJ990810_04.0303.C32.o4.gs    Method   GENSCAN
Start          7460                          End      15846
GI             none                          Score    .5
Exons          7460..7568, 8884..9032, 9200..9340, 9806..10008, 10200..10305,
               10398..10571, 10656..10683, 10864..11009, 12276..12485,
               12615..12770, 12860..12939, 13217..13403, 13753..13830,
               13926..14059, 14243..14508, 15713..15846
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Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o3.gp	Method	AAT/GAP
Start	9805	End	10185
GI	none	Score	690
Exons	9805..10185		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o4.gp	Method	AAT/GAP
Start	11452	End	11921
GI	none	Score	176
Exons	11452..11482, 11801..11921		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o5.gp	Method	AAT/GAP
Start	12294	End	12917
GI	uC-osroM202005g04b1	Score	501
Exons	12294..12314, 12402..12485, 12615..12770, 12860..12917		
GI Descrip.	'1149569/emb|CAA90703| 6.0e-18 (Z50851) HD-zip [Arabidopsis thaliana]'		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o6.gp	Method	AAT/GAP
Start	14419	End	15623
GI	10350_1.R1084	Score	2068
Exons	14419..14508, 14610..15623		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o7.gp	Method	AAT/GAP
Start	15740	End	15950
GI	LIB3433-019-P1-K1-C7	Score	396
Exons	15740..15950		
GI Descrip.	'2062705/gb|U90552|HSU90552 5.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82388	Strand	-
Start	204	End	429
Name	OJ990810_04.0303.C32.o1.gs	Method	GENSCAN
Start	204	End	429
GI	none	Score	.91
Exons	204..346, 369..429		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82389	Strand	-

Start	1011	End	3533
Name	OJ990810_04.0303.C32.o1.gp	Method	AAT/GAP
Start	1011	End	3533
GI	none	Score	3537
Exons	1011..1365, 2062..3533		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82389	Strand	-
Start	1011	End	3533
Name	OJ990810_04.0303.C32.o2.gs	Method	GENSCAN
Start	1319	End	3481
GI	none	Score	.94
Exons	1319..1365, 2062..2292, 2323..3481		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82390	Strand	-
Start	5775	End	6221
Name	OJ990810_04.0303.C32.o3.gs	Method	GENSCAN
Start	5775	End	6221
GI	none	Score	.47
Exons	5775..5867, 5964..6221		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82391	Strand	-
Start	6623	End	7623
Name	OJ990810_04.0303.C32.o2.tw	Method	TBLASTX:Wheat
Start	47	End	2885
GI	none	Score	49
Exons	47..112, 75..134, 88..138, 2465..2500, 2636..2722, 2700..2765, 2702..2764, 2744..2884, 2745..2885		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82391	Strand	-
Start	6623	End	7623
Name	OJ990810_04.0303.C32.o2.gp	Method	AAT/GAP
Start	6623	End	7623
GI	17718_1.R1084	Score	1063
Exons	6623..6968, 7347..7623		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 8.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o1.tw	Method	TBLASTX:Wheat
Start	12390	End	12925
GI	none	Score	107
Exons	12390..12491, 12396..12524, 12599..12769, 12609..12770, 12618..12770, 12862..12924, 12863..12925		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o1.tc	Method	TBLASTX:Cress
Start	12396	End	13310
GI	none	Score	117
Exons	12396..12488, 12399..12491, 12605..12769, 12615..12770,		

12857..12934, 12862..12924, 13022..13111, 13182..13310, 13214..13309

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o1.tm	Method	TBLASTX:Maize
Start	12396	End	14742
GI	none	Score	114
Exons	12396..12524, 12437..12484, 12605..12769, 12609..12770, 12862..12933, 12863..12934, 13182..13313, 13214..13312, 13290..13403, 13314..13403, 13500..13559, 13600..13656, 13617..13655, 13752..13805, 13774..13839, 13922..14050, 13923..14054, 14294..14425, 14295..14429, 14479..14529, 14480..14512, 14608..14640, 14659..14742		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o1.ts	Method	TBLASTX:Soybean
Start	12396	End	13313
GI	none	Score	135
Exons	12396..12524, 12437..12487, 12605..12769, 12615..12770, 12857..12934, 12859..12933, 12993..13115, 13019..13108, 13209..13313, 13214..13312		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o2.ts	Method	TBLASTX:Soybean
Start	13314	End	14009
GI	none	Score	87
Exons	13314..13403, 13319..13402, 13500..13562, 13502..13558, 13543..13656, 13575..13655, 13750..13773, 13774..13839, 13923..14009		

Seq. No.	39852	Seq. ID	OJ990810_04.0303.C33
Gene No.	82393	Strand	+
Start	1	End	575
Name	OJ990810_04.0303.C33.o1.gp	Method	AAT/GAP
Start	1	End	575
GI	10350_1.R1084	Score	1135
Exons	1..575		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	39852	Seq. ID	OJ990810_04.0303.C33
Gene No.	82393	Strand	+
Start	1	End	575
Name	OJ990810_04.0303.C33.o1.gs	Method	GENSCAN
Start	78	End	230
GI	none	Score	.65
Exons	78..230		

Seq. No.	39852	Seq. ID	OJ990810_04.0303.C33
Gene No.	82394	Strand	-
Start	2473	End	3001

Name	OJ990810_04.0303.C33.o2.gs	Method	GENSCAN
Start	2473	End	3001
GI	none	Score	.61
Exons	2473..2538, 2798..3001		

Seq. No.	39853	Seq. ID	OJ990810_04.0303.C34
Gene No.	82395	Strand	+
Start	1334	End	1800
Name	OJ990810_04.0303.C34.o1.gp	Method	AAT/GAP
Start	1334	End	1800
GI	none	Score	885
Exons	1334..1800		

Seq. No.	39853	Seq. ID	OJ990810_04.0303.C34
Gene No.	82396	Strand	+
Start	1951	End	2099
Name	OJ990810_04.0303.C34.o1.np	Method	AAT/NAP
Start	1951	End	2099
GI	4567201	Score	97
Exons	1951..2099		
GI Descrip.	(AC007168) putative aspartate aminotransferase [Arabidopsis thaliana]		

Seq. No.	39853	Seq. ID	OJ990810_04.0303.C34
Gene No.	82397	Strand	+
Start	2597	End	4912
Name	OJ990810_04.0303.C34.o2.gs	Method	GENSCAN
Start	2597	End	4779
GI	none	Score	.51
Exons	2597..2869, 2981..3149, 3318..3506, 3511..3697, 3768..3831, 3883..4423, 4607..4779		

Seq. No.	39853	Seq. ID	OJ990810_04.0303.C34
Gene No.	82397	Strand	+
Start	2597	End	4912
Name	OJ990810_04.0303.C34.o3.np	Method	AAT/NAP
Start	2946	End	4912
GI	6721561	Score	593
Exons	2946..3014, 3515..3697, 3767..3824, 3912..4346, 4880..4912		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39854	Seq. ID	OJ990810_04.0303.C35
Gene No.	82398	Strand	+
Start	1	End	602
Name	OJ990810_04.0303.C35.o1.np	Method	AAT/NAP
Start	1	End	544
GI	5922636	Score	241
Exons	1..118, 411..544		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39854	Seq. ID	OJ990810_04.0303.C35
Gene No.	82398	Strand	+
Start	1	End	602
Name	OJ990810_04.0303.C35.o1.gs	Method	GENSCAN
Start	128	End	602
GI	none	Score	.69
Exons	128..308, 310..602		

Seq. No.	39855	Seq. ID	OJ990810_04.0303.C39
Gene No.	82399	Strand	-
Start	494	End	1475
Name	OJ990810_04.0303.C39.o1.np	Method	AAT/NAP
Start	494	End	1475
GI	5091497	Score	74
Exons	494..581, 1243..1475		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82400	Strand	+
Start	1	End	1541
Name	OJ990820_03.0303.C1.o1.np	Method	AAT/NAP
Start	1	End	1538
GI	7106528	Score	105
Exons	1..48, 1406..1538		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82400	Strand	+
Start	1	End	1541
Name	OJ990820_03.0303.C1.o1.gs	Method	GENSCAN
Start	89	End	1541
GI	none	Score	.67
Exons	89..199, 1422..1541		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o2.np	Method	AAT/NAP
Start	364	End	3566
GI	4680203	Score	914
Exons	364..385, 2822..3566		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.gp	Method	AAT/GAP
Start	2833	End	3523
GI	342_1.R1084	Score	1179
Exons	2833..3523		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1

Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	2845	End	3303
GI	none	Score	119
Exons	2845..3039, 3049..3303, 3049..3291		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	2879	End	3348
GI	none	Score	160
Exons	2879..3085, 2879..3088, 2884..3087, 2884..3108, 3086..3178, 3088..3186, 3089..3181, 3190..3294, 3194..3295, 3292..3348, 3296..3340		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	3136	End	3484
GI	none	Score	83
Exons	3136..3477, 3155..3283, 3332..3382, 3410..3484		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	3217	End	3513
GI	none	Score	104
Exons	3217..3513, 3230..3481		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82402	Strand	+
Start	12572	End	13523
Name	OJ990820_03.0303.C2.o2.gs	Method	GENSCAN
Start	12572	End	13523
GI	none	Score	.99
Exons	12572..12861, 12884..13523		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82403	Strand	-
Start	1150	End	13284
Name	OJ990820_03.0303.C2.o1.gs	Method	GENSCAN
Start	1150	End	10467
GI	none	Score	.64
Exons	1150..1626, 1749..2456, 2542..2791, 3451..3998, 4004..4157, 4576..5612, 5742..6518, 8633..8666, 9226..9259, 9444..9563, 9825..10078, 10283..10467		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82403	Strand	-
Start	1150	End	13284
Name	OJ990820_03.0303.C2.o1.np	Method	AAT/NAP
Start	3592	End	13284
GI	4680203	Score	1444

Exons	3592..3657, 4623..5519, 5796..6023, 6183..6287, 6357..6488, 9346..10287, 13255..13284		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82404	Strand	-
Start	13774	End	18242
Name	OJ990820_03.0303.C2.o3.gs	Method	GENSCAN
Start	13774	End	18196
GI	none	Score	.64
Exons	13774..16913, 17101..18196		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82404	Strand	-
Start	13774	End	18242
Name	OJ990820_03.0303.C2.o2.np	Method	AAT/NAP
Start	13777	End	18242
GI	4680179	Score	5642
Exons	13777..18242		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	4704	End	5912
GI	none	Score	75
Exons	4704..4772, 4779..4883, 4786..4878, 4896..5000, 4914..4970, 4989..5144, 5005..5178, 5157..5912, 5383..5667		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o9.tm	Method	TBLASTX:Maize
Start	5008	End	5303
GI	none	Score	77
Exons	5008..5121, 5010..5129, 5133..5303		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	5199	End	5622
GI	none	Score	119
Exons	5199..5621, 5383..5622		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	5553	End	5936
GI	none	Score	200
Exons	5553..5867, 5556..5867, 5557..5868, 5868..5936		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256

Name	OJ990820_03.0303.C2.o12.tw	Method	TBLASTX:Wheat
Start	9547	End	9721
GI	none	Score	112
Exons	9547..9717, 9548..9721		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o2.tc	Method	TBLASTX:Cress
Start	9634	End	9987
GI	none	Score	86
Exons	9634..9987, 9689..9892, 9730..9900		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o7.tm	Method	TBLASTX:Maize
Start	9655	End	9892
GI	none	Score	123
Exons	9655..9858, 9655..9861, 9671..9892		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o6.ts	Method	TBLASTX:Soybean
Start	9715	End	9955
GI	none	Score	109
Exons	9715..9954, 9724..9954, 9734..9955		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o7.tw	Method	TBLASTX:Wheat
Start	9730	End	10314
GI	none	Score	33
Exons	9730..9858, 9822..9857, 9849..9950, 9850..9969, 9856..9975, 9869..9973, 10001..10258, 10019..10108, 10024..10314		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o3.ts	Method	TBLASTX:Soybean
Start	10019	End	10302
GI	none	Score	98
Exons	10019..10279, 10024..10302		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o8.tw	Method	TBLASTX:Wheat
Start	13822	End	14155
GI	none	Score	121
Exons	13822..14154, 13874..14155		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256

Name	OJ990820_03.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	14017	End	14602
GI	none	Score	104
Exons	14017..14442, 14018..14215, 14038..14325, 14270..14443, 14438..14581, 14440..14601, 14447..14602		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	14155	End	14781
GI	none	Score	44
Exons	14155..14781, 14156..14215, 14273..14722, 14434..14778		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o4.tm	Method	TBLASTX:Maize
Start	14650	End	14941
GI	none	Score	300
Exons	14650..14940, 14654..14941		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	14740	End	15000
GI	none	Score	187
Exons	14740..15000, 14741..14989		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o3.tc	Method	TBLASTX:Cress
Start	14764	End	15090
GI	none	Score	87
Exons	14764..14907, 14765..14905, 14908..15090		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o3.tw	Method	TBLASTX:Wheat
Start	14787	End	15327
GI	none	Score	128
Exons	14787..15041, 14788..15327, 14792..15043, 15095..15145		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	15355	End	15708
GI	none	Score	208
Exons	15355..15708, 15362..15703, 15370..15708		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256

Name	OJ990820_03.0303.C2.o4.tw	Method	TBLASTX:Wheat
Start	15355	End	15780
GI	none	Score	312
Exons	15355..15780, 15362..15778		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o4.ts	Method	TBLASTX:Soybean
Start	15526	End	15774
GI	none	Score	202
Exons	15526..15774		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o6.tm	Method	TBLASTX:Maize
Start	15715	End	16047
GI	none	Score	144
Exons	15715..16047, 15716..15994		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o6.tw	Method	TBLASTX:Wheat
Start	15781	End	16044
GI	none	Score	250
Exons	15781..16044, 15782..16042		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	15796	End	16191
GI	none	Score	189
Exons	15796..16047, 15806..16039, 16102..16155, 16115..16153, 16159..16191, 16159..16191		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o5.tm	Method	TBLASTX:Maize
Start	16102	End	16549
GI	none	Score	104
Exons	16102..16545, 16115..16549		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o5.tw	Method	TBLASTX:Wheat
Start	16132	End	16615
GI	none	Score	239
Exons	16132..16614, 16135..16611, 16175..16615		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256

Name	OJ990820_03.0303.C2.o5.ts	Method	TBLASTX:Soybean
Start	16264	End	16578
GI	none	Score	198
Exons	16264..16578		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o10.tm	Method	TBLASTX:Maize
Start	16550	End	16743
GI	none	Score	156
Exons	16550..16705, 16552..16743		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o10.tw	Method	TBLASTX:Wheat
Start	16747	End	17101
GI	none	Score	93
Exons	16747..17058, 16784..16924, 17063..17101		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o9.tw	Method	TBLASTX:Wheat
Start	17435	End	17785
GI	none	Score	307
Exons	17435..17785		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o8.tm	Method	TBLASTX:Maize
Start	17480	End	17785
GI	none	Score	240
Exons	17480..17785		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o11.tw	Method	TBLASTX:Wheat
Start	17837	End	18035
GI	none	Score	132
Exons	17837..18034, 17838..18035		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o4.gs	Method	GENSCAN
Start	18465	End	19070
GI	none	Score	.91
Exons	18465..19070		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o3.np	Method	AAT/NAP

Start	18468	End	19256
GI	6983861	Score	1337
Exons	18468..19256		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	39858	Seq. ID	OJ990820_03.0303.C3
Gene No.	82406	Strand	+
Start	1197	End	2285
Name	OJ990820_03.0303.C3.o1.gs	Method	GENSCAN
Start	1197	End	2285
GI	none	Score	.55
Exons	1197..1349, 1788..1872, 2050..2285		

Seq. No.	39859	Seq. ID	OJ990820_03.0303.C4
Gene No.	82407	Strand	+
Start	887	End	1252
Name	OJ990820_03.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	818	End	1233
GI	none	Score	208
Exons	818..1177, 1159..1233		

Seq. No.	39859	Seq. ID	OJ990820_03.0303.C4
Gene No.	82407	Strand	+
Start	887	End	1252
Name	OJ990820_03.0303.C4.o1.np	Method	AAT/NAP
Start	887	End	1252
GI	7489553	Score	512
Exons	887..1252		
GI Descrip.	probable reverse transcriptase - rice (fragment) gi|2462640|emb|CAA73800.1| (Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82408	Strand	+
Start	285	End	553
Name	OJ990820_03.0303.C5.o1.gs	Method	GENSCAN
Start	285	End	553
GI	none	Score	.44
Exons	285..359, 384..553		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82409	Strand	+
Start	3049	End	4629
Name	OJ990820_03.0303.C5.o2.gs	Method	GENSCAN
Start	3049	End	4629
GI	none	Score	.67
Exons	3049..3107, 3155..3298, 3303..3392, 3797..3912, 3936..4027, 4465..4629		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82410	Strand	+
Start	6199	End	10944
Name	OJ990820_03.0303.C5.o3.gs	Method	GENSCAN
Start	6199	End	10944
GI	none	Score	.52
Exons	6199..6292, 6811..6929, 8302..8433, 9497..9579, 9833..9894,		

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                10595..10654, 10805..10944

Seq. No.        39860                       Seq. ID   OJ990820_03.0303.C5
Gene No.        82411                       Strand    +
Start           14488                       End       15373
Name            OJ990820_03.0303.C5.o5.gs   Method    GENSCAN
Start           14488                       End       15373
GI              none                        Score     .5
Exons           14488..14537, 14912..15043, 15208..15373

Seq. No.        39860                       Seq. ID   OJ990820_03.0303.C5
Gene No.        82412                       Strand    +
Start           16559                       End       17150
Name            OJ990820_03.0303.C5.o1.gp   Method    AAT/GAP
Start           16559                       End       17150
GI              4879016                     Score     857
Exons           16559..16665, 16688..17150
GI Descrip.     6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For
                Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,
                complete sequence

Seq. No.        39860                       Seq. ID   OJ990820_03.0303.C5
Gene No.        82413                       Strand    -
Start           1                           End       15653
Name            OJ990820_03.0303.C5.o2.np   Method    AAT/NAP
Start           1                           End       15653
GI              5042447                     Score     854
Exons           1..24, 11984..12213, 15022..15653
GI Descrip.     (AC007789) putative polyprotein [Oryza sativa]

Seq. No.        39860                       Seq. ID   OJ990820_03.0303.C5
Gene No.        82414                       Strand    -
Start           15981                       End       16283
Name            OJ990820_03.0303.C5.o2.tm   Method    TBLASTX:Maize
Start           6                           End       430
GI              none                        Score     110
Exons           6..140, 163..249, 164..250, 314..430, 319..396

Seq. No.        39860                       Seq. ID   OJ990820_03.0303.C5
Gene No.        82414                       Strand    -
Start           15981                       End       16283
Name            OJ990820_03.0303.C5.o1.tm   Method    TBLASTX:Maize
Start           607                         End       993
GI              none                        Score     55
Exons           607..666, 658..750, 664..993

Seq. No.        39860                       Seq. ID   OJ990820_03.0303.C5
Gene No.        82414                       Strand    -
Start           15981                       End       16283
Name            OJ990820_03.0303.C5.o1.tw   Method    TBLASTX:Wheat
Start           15023                       End       15385
GI              none                        Score     88
Exons           15023..15385, 15027..15353

Seq. No.        39860                       Seq. ID   OJ990820_03.0303.C5
Gene No.        82414                       Strand    -
Start           15981                       End       16283
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Name	OJ990820_03.0303.C5.o6.gs	Method	GENSCAN
Start	15981	End	16283
GI	none	Score	.91
Exons	15981..16283		

Seq. No.	39861	Seq. ID	OJ990820_03.0303.C6
Gene No.	82415	Strand	+
Start	44	End	2992
Name	OJ990820_03.0303.C6.o1.gs	Method	GENSCAN
Start	44	End	1632
GI	none	Score	.44
Exons	44..362, 467..525, 592..799, 1175..1632		

Seq. No.	39861	Seq. ID	OJ990820_03.0303.C6
Gene No.	82415	Strand	+
Start	44	End	2992
Name	OJ990820_03.0303.C6.o2.np	Method	AAT/NAP
Start	1281	End	2992
GI	7488857	Score	139
Exons	1281..1709, 2973..2992		
GI Descrip.	hypothetical protein - fava bean (fragment) gi|2522230|dbj|BAA22788.1| (AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	39861	Seq. ID	OJ990820_03.0303.C6
Gene No.	82416	Strand	-
Start	3616	End	3822
Name	OJ990820_03.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	86	End	495
GI	none	Score	70
Exons	86..190, 121..189, 218..301, 301..495		

Seq. No.	39861	Seq. ID	OJ990820_03.0303.C6
Gene No.	82416	Strand	-
Start	3616	End	3822
Name	OJ990820_03.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	86	End	432
GI	none	Score	107
Exons	86..202, 218..292, 301..432		

Seq. No.	39861	Seq. ID	OJ990820_03.0303.C6
Gene No.	82416	Strand	-
Start	3616	End	3822
Name	OJ990820_03.0303.C6.o2.tw	Method	TBLASTX:Wheat
Start	1276	End	1608
GI	none	Score	116
Exons	1276..1455, 1498..1608, 1569..1607		

Seq. No.	39861	Seq. ID	OJ990820_03.0303.C6
Gene No.	82416	Strand	-
Start	3616	End	3822
Name	OJ990820_03.0303.C6.o2.gs	Method	GENSCAN
Start	3616	End	3822
GI	none	Score	.5
Exons	3616..3822		

Seq. No.	39862	Seq. ID	OJ990820_03.0303.C7

Gene No.	82417	Strand	-
Start	306	End	1501
Name	OJ990820_03.0303.C7.o1.gs	Method	GENSCAN
Start	306	End	1281
GI	none	Score	.42
Exons	306..500, 1201..1281		

Seq. No.	39862	Seq. ID	OJ990820_03.0303.C7
Gene No.	82417	Strand	-
Start	306	End	1501
Name	OJ990820_03.0303.C7.o1.np	Method	AAT/NAP
Start	353	End	1501
GI	5852181	Score	134
Exons	353..500, 1457..1501		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	39863	Seq. ID	OJ990820_03.0303.C8
Gene No.	82418	Strand	+
Start	1296	End	1559
Name	OJ990820_03.0303.C8.o1.gs	Method	GENSCAN
Start	1296	End	1559
GI	none	Score	.8
Exons	1296..1559		

Seq. No.	39864	Seq. ID	OJ990820_03.0303.C9
Gene No.	82419	Strand	+
Start	101	End	899
Name	OJ990820_03.0303.C9.o1.gs	Method	GENSCAN
Start	101	End	899
GI	none	Score	.65
Exons	101..186, 773..899		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82420	Strand	+
Start	12420	End	13256
Name	OJ990820_03.0303.C18.o2.gs	Method	GENSCAN
Start	12420	End	13256
GI	none	Score	.99
Exons	12420..13256		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o1.gs	Method	GENSCAN
Start	284	End	10100
GI	none	Score	.88
Exons	284..4861, 7013..7059, 7522..7749, 7841..8126, 8304..8343, 10093..10100		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o9.tm	Method	TBLASTX:Maize
Start	311	End	523
GI	none	Score	201
Exons	311..523		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o6.tw	Method	TBLASTX:Wheat
Start	332	End	665
GI	none	Score	77
Exons	332..664, 528..665		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o1.tm	Method	TBLASTX:Maize
Start	524	End	1111
GI	none	Score	182
Exons	524..793, 525..785, 854..952, 855..950, 884..952, 950..1111, 957..1103, 959..1105		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o1.tw	Method	TBLASTX:Wheat
Start	665	End	1291
GI	none	Score	358
Exons	665..1291, 666..1235		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o3.tm	Method	TBLASTX:Maize
Start	1160	End	1452
GI	none	Score	161
Exons	1160..1450, 1164..1349, 1169..1381, 1261..1452		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o2.ts	Method	TBLASTX:Soybean
Start	1250	End	1510
GI	none	Score	54
Exons	1250..1318, 1250..1510, 1404..1505		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o1.tc	Method	TBLASTX:Cress
Start	1274	End	1600
GI	none	Score	64
Exons	1274..1417, 1275..1352, 1418..1600		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o3.tw	Method	TBLASTX:Wheat
Start	1298	End	1777
GI	none	Score	219
Exons	1298..1777, 1299..1682, 1304..1759		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o2.tw	Method	TBLASTX:Wheat
Start	1781	End	2290
GI	none	Score	304
Exons	1781..2290, 1872..2258		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o2.tm	Method	TBLASTX:Maize
Start	1865	End	2218
GI	none	Score	139
Exons	1865..2218, 1880..2176, 1950..2216		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o3.ts	Method	TBLASTX:Soybean
Start	2039	End	2281
GI	none	Score	197
Exons	2039..2281		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o5.tm	Method	TBLASTX:Maize
Start	2219	End	2572
GI	none	Score	117
Exons	2219..2572, 2301..2561		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o5.tw	Method	TBLASTX:Wheat
Start	2291	End	2593
GI	none	Score	201
Exons	2291..2593, 2292..2555		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	2305	End	2701
GI	none	Score	126
Exons	2305..2658, 2306..2665, 2307..2549, 2524..2658, 2588..2662, 2669..2701, 2669..2701		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o4.tm	Method	TBLASTX:Maize
Start	2588	End	3059
GI	none	Score	90
Exons	2588..3055, 2621..2965, 2814..3059		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o4.tw	Method	TBLASTX:Wheat
Start	2642	End	3128
GI	none	Score	319
Exons	2642..3124, 2685..3128		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o4.ts	Method	TBLASTX:Soybean
Start	2774	End	3055
GI	none	Score	183
Exons	2774..3055		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o8.tw	Method	TBLASTX:Wheat
Start	3299	End	3653
GI	none	Score	79
Exons	3299..3652, 3338..3469, 3513..3653		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o8.tm	Method	TBLASTX:Maize
Start	3386	End	3706
GI	none	Score	203
Exons	3386..3706		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o7.tm	Method	TBLASTX:Maize
Start	4055	End	4351
GI	none	Score	111
Exons	4055..4351, 4164..4334		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o7.tw	Method	TBLASTX:Wheat
Start	4232	End	4595
GI	none	Score	84
Exons	4232..4591, 4233..4466, 4491..4595		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82422	Strand	
Start	12504	End	12950
Name	OJ990820_03.0303.C18.o6.tm	Method	TBLASTX:Maize
Start	12504	End	12950
GI	none	Score	170
Exons	12504..12725, 12507..12599, 12669..12728, 12798..12935, 12810..12950, 12830..12949		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82423	Strand	+
Start	1	End	7470
Name	OJ990820_03.0303.C19.o1.np	Method	AAT/NAP
Start	1	End	2536
GI	7340860	Score	65
Exons	1..22, 1031..1117, 2511..2536		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82423	Strand	+
Start	1	End	7470
Name	OJ990820_03.0303.C19.o2.np	Method	AAT/NAP
Start	100	End	5388
GI	5295955	Score	646
Exons	100..138, 2604..2752, 3295..3409, 4089..4224, 4313..4614, 4694..4732, 4771..5252, 5279..5388		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82423	Strand	+
Start	1	End	7470
Name	OJ990820_03.0303.C19.o2.gs	Method	GENSCAN
Start	1192	End	7392
GI	none	Score	.45
Exons	1192..1247, 1691..1817, 2683..2820, 3359..3418, 4149..4406, 4618..4808, 4813..4861, 5065..5220, 6571..6716, 6761..6851, 7168..7392		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82423	Strand	+
Start	1	End	7470
Name	OJ990820_03.0303.C19.o4.np	Method	AAT/NAP
Start	6700	End	7470
GI	5817303	Score	105
Exons	6700..6851, 7150..7229, 7431..7470		
GI Descrip.	(AF087819) auxin transport protein [Arabidopsis thaliana]		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82424	Strand	-
Start	47	End	605
Name	OJ990820_03.0303.C19.o1.gs	Method	GENSCAN
Start	47	End	605
GI	none	Score	.6
Exons	47..201, 269..605		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82425	Strand	-
Start	6232	End	7470
Name	OJ990820_03.0303.C19.o3.np	Method	AAT/NAP
Start	6232	End	7470
GI	7242910	Score	83
Exons	6232..6328, 7420..7470		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.gs	Method	GENSCAN
Start	22	End	791
GI	none	Score	.42
Exons	22..151, 166..791		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.np	Method	AAT/NAP
Start	41	End	1280
GI	6466937	Score	772
Exons	41..1280		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o2.tm	Method	TBLASTX:Maize
Start	146	End	722
GI	none	Score	54
Exons	146..295, 158..235, 159..722, 160..516, 396..722		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.tw	Method	TBLASTX:Wheat
Start	357	End	698
GI	none	Score	91
Exons	357..698, 406..600, 492..692		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.tm	Method	TBLASTX:Maize
Start	765	End	1280
GI	none	Score	107
Exons	765..1124, 765..1124, 766..1125, 1102..1158, 1160..1279, 1161..1280		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o2.tw	Method	TBLASTX:Wheat
Start	765	End	1124
GI	none	Score	265
Exons	765..1124		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.ts	Method	TBLASTX:Soybean
Start	867	End	1237
GI	none	Score	42

Exons	867..917, 868..906, 903..968, 910..969, 990..1115, 1003..1107, 1006..1125, 1205..1237		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82427	Strand	-
Start	1	End	4407
Name	OJ990820_03.0303.C21.o1.np	Method	AAT/NAP
Start	1	End	4407
GI	6466937	Score	1369
Exons	1..2084, 2121..2757, 4363..4407		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82427	Strand	-
Start	1	End	4407
Name	OJ990820_03.0303.C21.o1.gp	Method	AAT/GAP
Start	3218	End	3471
GI	569996	Score	484
Exons	3218..3471		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o4.tm	Method	TBLASTX:Maize
Start	36	End	212
GI	none	Score	110
Exons	36..212, 51..212		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o2.ts	Method	TBLASTX:Soybean
Start	210	End	453
GI	none	Score	66
Exons	210..452, 255..398, 304..453		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o2.tm	Method	TBLASTX:Maize
Start	213	End	735
GI	none	Score	235
Exons	213..734, 214..546, 625..735		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o2.tw	Method	TBLASTX:Wheat
Start	363	End	764
GI	none	Score	104
Exons	363..764, 423..740		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o1.ts	Method	TBLASTX:Soybean

Start	477	End	836
GI	none	Score	322
Exons	477..836		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	759	End	1232
GI	none	Score	85
Exons	759..1232, 762..962, 769..999, 1014..1232		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o1.tw	Method	TBLASTX:Wheat
Start	813	End	1295
GI	none	Score	118
Exons	813..1295, 817..1197		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o3.ts	Method	TBLASTX:Soybean
Start	945	End	1259
GI	none	Score	189
Exons	945..1259		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o3.tm	Method	TBLASTX:Maize
Start	1284	End	2135
GI	none	Score	120
Exons	1284..1418, 1497..1592, 1680..1922, 1989..2135		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o3.gs	Method	GENSCAN
Start	7538	End	8893
GI	none	Score	.41
Exons	7538..7605, 8863..8893		

Seq. No.	39869	Seq. ID	OJ990820_03.0303.C22
Gene No.	82429	Strand	-
Start	1	End	472
Name	OJ990820_03.0303.C22.o1.np	Method	AAT/NAP
Start	1	End	472
GI	4680203	Score	194
Exons	1..472		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39869	Seq. ID	OJ990820_03.0303.C22
Gene No.	82430	Strand	-
Start	488	End	662
Name	OJ990820_03.0303.C22.o1.tw	Method	TBLASTX:Wheat

Start	201	End	494
GI	none	Score	174
Exons	201..494		

Seq. No.	39869	Seq. ID	OJ990820_03.0303.C22
Gene No.	82430	Strand	-
Start	488	End	662
Name	OJ990820_03.0303.C22.o1.ts	Method	TBLASTX:Soybean
Start	207	End	476
GI	none	Score	235
Exons	207..476		

Seq. No.	39869	Seq. ID	OJ990820_03.0303.C22
Gene No.	82430	Strand	-
Start	488	End	662
Name	OJ990820_03.0303.C22.o1.gs	Method	GENSCAN
Start	488	End	662
GI	none	Score	.84
Exons	488..662		

Seq. No.	39870	Seq. ID	OJ990820_03.0303.C27
Gene No.	82431	Strand	+
Start	2229	End	3478
Name	OJ990820_03.0303.C27.o2.gs	Method	GENSCAN
Start	2229	End	3478
GI	none	Score	.67
Exons	2229..2444, 2515..2640, 3109..3201, 3293..3374, 3396..3478		

Seq. No.	39870	Seq. ID	OJ990820_03.0303.C27
Gene No.	82432	Strand	-
Start	2366	End	2628
Name	OJ990820_03.0303.C27.o1.np	Method	AAT/NAP
Start	2366	End	2628
GI	7340909	Score	165
Exons	2366..2628		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	39870	Seq. ID	OJ990820_03.0303.C27
Gene No.	82433	Strand	-
Start	4937	End	5200
Name	OJ990820_03.0303.C27.o3.gs	Method	GENSCAN
Start	4937	End	5200
GI	none	Score	.64
Exons	4937..5200		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82434	Strand	+
Start	3721	End	4405
Name	OJ990820_03.0303.C29.o1.np	Method	AAT/NAP
Start	3721	End	4405
GI	7228450	Score	277
Exons	3721..3932, 4066..4206, 4292..4405		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82435	Strand	+
Start	5095	End	7261

Name	OJ990820_03.0303.C29.o2.gs	Method	GENSCAN
Start	5095	End	7261
GI	none	Score	.92
Exons	5095..5215, 6068..6156, 6543..6653, 7073..7261		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82436	Strand	+
Start	10990	End	11724
Name	OJ990820_03.0303.C29.o3.gs	Method	GENSCAN
Start	10990	End	11724
GI	none	Score	.78
Exons	10990..11014, 11615..11724		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82437	Strand	+
Start	12628	End	15495
Name	OJ990820_03.0303.C29.o4.gs	Method	GENSCAN
Start	12628	End	15495
GI	none	Score	.63
Exons	12628..13407, 13568..13887, 13971..14270, 14366..14594, 14859..15033, 15215..15495		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82438	Strand	-
Start	118	End	3859
Name	OJ990820_03.0303.C29.o1.gs	Method	GENSCAN
Start	118	End	3859
GI	none	Score	.77
Exons	118..267, 3062..3228, 3835..3859		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82439	Strand	-
Start	15928	End	21972
Name	OJ990820_03.0303.C29.o2.np	Method	AAT/NAP
Start	15928	End	21972
GI	5922631	Score	6423
Exons	15928..18421, 19028..19954, 20081..20231, 20274..20837, 20883..21086, 21345..21589, 21848..21972		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o13.tw	Method	TBLASTX:Wheat
Start	12748	End	13038
GI	none	Score	204
Exons	12748..13038		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588

Name	OJ990820_03.0303.C29.o5.tw	Method	TBLASTX:Wheat
Start	15904	End	16512
GI	none	Score	82
Exons	15904..16512, 16220..16357, 16430..16492		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o6.tm	Method	TBLASTX:Maize
Start	15943	End	16188
GI	none	Score	105
Exons	15943..16044, 15944..16045, 16048..16188, 16055..16144		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o7.tm	Method	TBLASTX:Maize
Start	16414	End	26581
GI	none	Score	65
Exons	16414..16557, 26139..26294, 26280..26357, 26372..26581, 26418..26513		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o7.tw	Method	TBLASTX:Wheat
Start	16625	End	17010
GI	none	Score	56
Exons	16625..16672, 16627..17010, 16703..17005		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o1.tm	Method	TBLASTX:Maize
Start	16657	End	17021
GI	none	Score	258
Exons	16657..16704, 16696..17019, 16709..16999, 16761..17021		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o11.tw	Method	TBLASTX:Wheat
Start	17161	End	17460
GI	none	Score	108
Exons	17161..17460, 17300..17455		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o9.tw	Method	TBLASTX:Wheat
Start	17463	End	17855
GI	none	Score	83
Exons	17463..17594, 17465..17593, 17624..17854, 17649..17855		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588

Name	OJ990820_03.0303.C29.o3.tm	Method	TBLASTX:Maize
Start	17852	End	18294
GI	none	Score	150
Exons	17852..17878, 17876..18013, 18039..18293, 18040..18294		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o6.tw	Method	TBLASTX:Wheat
Start	18016	End	18440
GI	none	Score	249
Exons	18016..18396, 18021..18440		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o2.ts	Method	TBLASTX:Soybean
Start	18021	End	18362
GI	none	Score	56
Exons	18021..18362, 18022..18165, 18048..18329, 18202..18345		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o2.tm	Method	TBLASTX:Maize
Start	18525	End	18881
GI	none	Score	177
Exons	18525..18881, 18535..18840		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o3.tw	Method	TBLASTX:Wheat
Start	18555	End	19011
GI	none	Score	266
Exons	18555..19010, 18556..19011		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o8.tw	Method	TBLASTX:Wheat
Start	19231	End	19688
GI	none	Score	68
Exons	19231..19350, 19233..19463, 19290..19457, 19378..19467, 19512..19688		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o10.tw	Method	TBLASTX:Wheat
Start	20268	End	20670
GI	none	Score	66
Exons	20268..20669, 20566..20670		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588

Name	OJ990820_03.0303.C29.o3.np	Method	AAT/NAP
Start	24313	End	26588
GI	2443320	Score	3192
Exons	24313..26588		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o2.tw	Method	TBLASTX:Wheat
Start	24352	End	24839
GI	none	Score	136
Exons	24352..24537, 24353..24544, 24540..24839, 24543..24833, 24550..24834		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o5.tm	Method	TBLASTX:Maize
Start	24370	End	24935
GI	none	Score	203
Exons	24370..24543, 24594..24935		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o3.ts	Method	TBLASTX:Soybean
Start	24588	End	24941
GI	none	Score	67
Exons	24588..24941, 24640..24747		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o1.tw	Method	TBLASTX:Wheat
Start	24912	End	25713
GI	none	Score	352
Exons	24912..25376, 24913..25368, 25352..25702, 25359..25712, 25366..25713		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o4.tm	Method	TBLASTX:Maize
Start	25275	End	25707
GI	none	Score	145
Exons	25275..25688, 25342..25707		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o1.ts	Method	TBLASTX:Soybean
Start	25393	End	25841
GI	5509260	Score	47
Exons	25393..25446, 25401..25841, 25471..25551, 25585..25788		
GI Descrip.	-		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o1.tc	Method	TBLASTX:Cress
Start	25488	End	25752
GI	none	Score	95
Exons	25488..25751, 25576..25752		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o12.tw	Method	TBLASTX:Wheat
Start	25716	End	25907
GI	none	Score	122
Exons	25716..25898, 25716..25907		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o4.ts	Method	TBLASTX:Soybean
Start	26160	End	26542
GI	none	Score	41
Exons	26160..26294, 26280..26360, 26296..26361, 26372..26542, 26400..26540		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o4.tw	Method	TBLASTX:Wheat
Start	26166	End	26588
GI	none	Score	134
Exons	26166..26366, 26176..26367, 26366..26578, 26367..26588		

Seq. No.	39872	Seq. ID	OJ990820_03.0303.C30
Gene No.	82441	Strand	-
Start	1	End	1266
Name	OJ990820_03.0303.C30.o1.np	Method	AAT/NAP
Start	1	End	1266
GI	2443320	Score	1515
Exons	1..1266		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39872	Seq. ID	OJ990820_03.0303.C30
Gene No.	82441	Strand	-
Start	1	End	1266
Name	OJ990820_03.0303.C30.o1.tw	Method	TBLASTX:Wheat
Start	8	End	406
GI	none	Score	132
Exons	8..277, 14..313, 15..314, 310..405, 311..406		

Seq. No.	39872	Seq. ID	OJ990820_03.0303.C30
Gene No.	82441	Strand	-
Start	1	End	1266
Name	OJ990820_03.0303.C30.o1.gs	Method	GENSCAN
Start	233	End	1263
GI	none	Score	.54
Exons	233..312, 408..1263		

Seq. No.	39872	Seq. ID	OJ990820_03.0303.C30
Gene No.	82441	Strand	-
Start	1	End	1266
Name	OJ990820_03.0303.C30.o2.tw	Method	TBLASTX:Wheat
Start	722	End	1068
GI	none	Score	62
Exons	722..934, 724..1068		

Seq. No.	39873	Seq. ID	OJ990820_03.0303.C31
Gene No.	82442	Strand	+
Start	3829	End	4288
Name	OJ990820_03.0303.C31.o2.gs	Method	GENSCAN
Start	3829	End	4288
GI	none	Score	.52
Exons	3829..3944, 4201..4288		

Seq. No.	39874	Seq. ID	OJ990820_03.0303.C32
Gene No.	82443	Strand	+
Start	197	End	661
Name	OJ990820_03.0303.C32.o1.gs	Method	GENSCAN
Start	197	End	661
GI	none	Score	.62
Exons	197..318, 487..661		

Seq. No.	39874	Seq. ID	OJ990820_03.0303.C32
Gene No.	82444	Strand	+
Start	1099	End	1482
Name	OJ990820_03.0303.C32.o2.gp	Method	AAT/GAP
Start	1099	End	1482
GI	uC-osflcyp033a04b1	Score	657
Exons	1099..1482		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39874	Seq. ID	OJ990820_03.0303.C32
Gene No.	82445	Strand	-
Start	1	End	6146
Name	OJ990820_03.0303.C32.o1.np	Method	AAT/NAP
Start	1	End	6146
GI	5852180	Score	468
Exons	1..172, 224..340, 1332..1389, 1619..1676, 6063..6146		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39875	Seq. ID	OJ990820_03.0303.C33
Gene No.	82446	Strand	+
Start	46	End	216
Name	OJ990820_03.0303.C33.o1.gs	Method	GENSCAN
Start	46	End	216
GI	none	Score	.48
Exons	46..216		

Seq. No.	39876	Seq. ID	OJ000129_33.0403.C2
Gene No.	82447	Strand	+
Start	1	End	1449
Name	OJ000129_33.0403.C2.o1.np	Method	AAT/NAP
Start	1	End	1357

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GI            130582                        Score    31
Exons         1..19, 1223..1357
GI Descrip.   RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94
              [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE]
              gi|100342|pir||S04273 hypothetical protein - common tobacco
              gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No.      39876                         Seq. ID  OJ000129_33.0403.C2
Gene No.      82447                         Strand   +
Start         1                             End      1449
Name          OJ000129_33.0403.C2.o1.gs     Method   GENSCAN
Start         223                           End      1449
GI            none                          Score    .45
Exons         223..287, 578..669, 1223..1449

Seq. No.      39876                         Seq. ID  OJ000129_33.0403.C2
Gene No.      82448                         Strand   -
Start         1                             End      3707
Name          OJ000129_33.0403.C2.o2.np     Method   AAT/NAP
Start         1                             End      3707
GI            7106512                       Score    80
Exons         1..26, 3526..3574, 3647..3707
GI Descrip.   (AP001278) EST C98429(E0138) corresponds to a region of the
              predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.      39877                         Seq. ID  OJ000129_33.0403.C3
Gene No.      82449                         Strand   -
Start         1                             End      636
Name          OJ000129_33.0403.C3.o1.np     Method   AAT/NAP
Start         1                             End      636
GI            2498930                       Score    706
Exons         1..408, 576..636
GI Descrip.   DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION
              PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.      39878                         Seq. ID  OJ000129_33.0403.C5
Gene No.      82450                         Strand   +
Start         326                           End      818
Name          OJ000129_33.0403.C5.o1.tm     Method   TBLASTX:Maize
Start         323                           End      503
GI            none                          Score    280
Exons         323..502, 324..503

Seq. No.      39878                         Seq. ID  OJ000129_33.0403.C5
Gene No.      82450                         Strand   +
Start         326                           End      818
Name          OJ000129_33.0403.C5.o1.ts     Method   TBLASTX:Soybean
Start         323                           End      503
GI            none                          Score    263
Exons         323..502, 324..503

Seq. No.      39878                         Seq. ID  OJ000129_33.0403.C5
Gene No.      82450                         Strand   +
Start         326                           End      818
Name          OJ000129_33.0403.C5.o1.gp     Method   AAT/GAP
Start         326                           End      818
GI            17442_1.R1084                 Score    321
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Exons	326..510, 792..818		
GI Descrip.	'118304/sp|P19572|DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir__A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas aeruginosa'		

Seq. No.	39878	Seq. ID	OJ000129_33.0403.C5
Gene No.	82450	Strand	+
Start	326	End	818
Name	OJ000129_33.0403.C5.o1.np	Method	AAT/NAP
Start	326	End	818
GI	7428336	Score	59
Exons	326..506, 788..818		
GI Descrip.	diaminopimelate decarboxylase (EC 4.1.1.20) - Archaeoglobus fulgidus gi|2649806|gb|AAB90438.1| (AE001049) diaminopimelate decarboxylase (lysA) [Archaeoglobus fulgidus]		

Seq. No.	39878	Seq. ID	OJ000129_33.0403.C5
Gene No.	82450	Strand	+
Start	326	End	818
Name	OJ000129_33.0403.C5.o1.gs	Method	GENSCAN
Start	326	End	500
GI	none	Score	.81
Exons	326..500		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82451	Strand	+
Start	3395	End	5061
Name	OJ000129_33.0403.C6.o2.np	Method	AAT/NAP
Start	3395	End	5061
GI	6907087	Score	734
Exons	3395..4408, 4960..5061		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82452	Strand	+
Start	5528	End	5909
Name	OJ000129_33.0403.C6.o1.gp	Method	AAT/GAP
Start	5528	End	5909
GI	uC-osflcyp033a04b1	Score	667
Exons	5528..5909		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82453	Strand	+
Start	7190	End	12638
Name	OJ000129_33.0403.C6.o4.np	Method	AAT/NAP
Start	7190	End	11102
GI	6983860	Score	616
Exons	7190..7968, 8167..8402, 11062..11102		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6

Gene No.	82453	Strand	+
Start	7190	End	12638
Name	OJ000129_33.0403.C6.o5.np	Method	AAT/NAP
Start	8347	End	12638
GI	130582	Score	51
Exons	8347..8402, 12601..12638		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82454	Strand	-
Start	2437	End	7405
Name	OJ000129_33.0403.C6.o1.np	Method	AAT/NAP
Start	2437	End	6249
GI	6630685	Score	850
Exons	2437..3071, 6203..6249		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82454	Strand	-
Start	2437	End	7405
Name	OJ000129_33.0403.C6.o3.np	Method	AAT/NAP
Start	5457	End	7405
GI	4680186	Score	243
Exons	5457..5661, 7383..7405		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82455	Strand	-
Start	10566	End	10830
Name	OJ000129_33.0403.C6.o3.gp	Method	AAT/GAP
Start	10566	End	10830
GI	61605_3.R1084	Score	376
Exons	10566..10830		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	2428	End	3056
GI	none	Score	59
Exons	2428..2550, 2429..2545, 2434..2547, 2556..2939, 2559..2744, 2578..2934, 2654..2953, 2829..3056, 2948..3055		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	2577	End	3055
GI	none	Score	71
Exons	2577..2684, 2706..2939, 2710..2883, 2948..3055		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	7388	End	7747
GI	none	Score	258
Exons	7388..7747, 7390..7743		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	7628	End	7927
GI	none	Score	214
Exons	7628..7927, 7642..7731		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o6.np	Method	AAT/NAP
Start	11192	End	14704
GI	6063554	Score	510
Exons	11192..11366, 11999..12026, 12350..12572, 12690..12968, 14625..14704		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o4.gp	Method	AAT/GAP
Start	11352	End	11780
GI	2428185	Score	648
Exons	11352..11780		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o5.gp	Method	AAT/GAP
Start	11796	End	12532
GI	101153_1.R1084	Score	694
Exons	11796..12026, 12350..12532		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82457	Strand	+
Start	3410	End	4505
Name	OJ000129_33.0403.C7.o3.np	Method	AAT/NAP
Start	3410	End	4505
GI	4680186	Score	381
Exons	3410..3465, 4305..4505		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o4.tm	Method	TBLASTX:Maize
Start	474	End	736
GI	none	Score	239
Exons	474..716, 476..736		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o3.ts	Method	TBLASTX:Soybean
Start	474	End	752
GI	none	Score	101
Exons	474..752, 476..739		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.np	Method	AAT/NAP
Start	476	End	2714
GI	6630685	Score	2563
Exons	476..1583, 1703..2714		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.gs	Method	GENSCAN
Start	527	End	4260
GI	none	Score	.42
Exons	527..749, 918..1076, 1197..1421, 1600..1710, 1849..2786, 3150..3301, 4185..4260		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	758	End	1225
GI	none	Score	410
Exons	758..1225, 759..1220, 760..1221		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	887	End	1493
GI	5509260	Score	90
Exons	887..1267, 893..1117, 978..1268, 1232..1492, 1274..1492, 1443..1493		
GI Descrip.	-		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.tw	Method	TBLASTX:Wheat

Start	899	End	1351
GI	none	Score	172
Exons	899..1243, 913..1248, 978..1244, 1244..1276, 1277..1351		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	1004	End	1285
GI	none	Score	67
Exons	1004..1285, 1023..1205		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	1226	End	1531
GI	none	Score	254
Exons	1226..1531, 1227..1517, 1229..1519		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	1815	End	2509
GI	none	Score	330
Exons	1815..2435, 1820..2356, 1854..2435, 1858..2436, 2434..2508, 2436..2507, 2441..2509		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o3.tw	Method	TBLASTX:Wheat
Start	1854	End	2084
GI	none	Score	80
Exons	1854..1994, 1854..1970, 1858..2007, 2013..2084		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	1866	End	2327
GI	none	Score	65
Exons	1866..1967, 2016..2327, 2122..2307		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o2.tw	Method	TBLASTX:Wheat
Start	2172	End	2630
GI	none	Score	113
Exons	2172..2456, 2173..2460, 2458..2484, 2460..2483, 2496..2630, 2515..2622		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179

Name	OJ000129_33.0403.C7.o5.tm	Method	TBLASTX:Maize
Start	2622	End	2891
GI	none	Score	76
Exons	2622..2822, 2643..2828, 2707..2832, 2707..2838, 2824..2886, 2838..2891, 2838..2888		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o2.np	Method	AAT/NAP
Start	2802	End	5179
GI	4416301	Score	88
Exons	2802..2967, 5106..5179		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.gp	Method	AAT/GAP
Start	4057	End	4438
GI	uC-osflcyp033a04b1	Score	663
Exons	4057..4438		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82459	Strand	+
Start	4515	End	6463
Name	OJ000129_33.0403.C8.o2.np	Method	AAT/NAP
Start	4515	End	6463
GI	4680186	Score	208
Exons	4515..4550, 6262..6463		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82460	Strand	+
Start	8673	End	10154
Name	OJ000129_33.0403.C8.o4.gs	Method	GENSCAN
Start	8673	End	10154
GI	none	Score	.66
Exons	8673..8681, 9184..9478, 9581..10012, 10069..10154		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82461	Strand	-
Start	261	End	2096
Name	OJ000129_33.0403.C8.o1.gs	Method	GENSCAN
Start	261	End	2096
GI	none	Score	.99
Exons	261..2096		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82461	Strand	-
Start	261	End	2096
Name	OJ000129_33.0403.C8.o1.np	Method	AAT/NAP
Start	294	End	2003
GI	7489737	Score	596
Exons	294..421, 497..986, 1050..2003		

GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82462	Strand	-
Start	3701	End	4744
Name	OJ000129_33.0403.C8.o2.gs	Method	GENSCAN
Start	3701	End	4744
GI	none	Score	.66
Exons	3701..4744		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82463	Strand	-
Start	5519	End	10075
Name	OJ000129_33.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	1386	End	1790
GI	none	Score	72
Exons	1386..1790, 1399..1689, 1527..1751		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82463	Strand	-
Start	5519	End	10075
Name	OJ000129_33.0403.C8.o3.gs	Method	GENSCAN
Start	5519	End	8119
GI	none	Score	.42
Exons	5519..5585, 6345..6451, 7421..8119		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82463	Strand	-
Start	5519	End	10075
Name	OJ000129_33.0403.C8.o3.np	Method	AAT/NAP
Start	6858	End	10075
GI	6907087	Score	523
Exons	6858..6959, 7499..8110, 10036..10075		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39882	Seq. ID	OJ000129_33.0403.C9
Gene No.	82464	Strand	-
Start	432	End	480
Name	OJ000129_33.0403.C9.o1.gs	Method	GENSCAN
Start	432	End	480
GI	none	Score	.41
Exons	432..480		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82465	Strand	+
Start	310	End	1392
Name	OJ000129_33.0403.C10.o1.gs	Method	GENSCAN
Start	310	End	1392
GI	none	Score	.6
Exons	310..386, 1293..1392		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82466	Strand	+

Start	18658	End	22205
Name	OJ000129_33.0403.C10.o1.gp	Method	AAT/GAP
Start	18588	End	19072
GI	uC-osflcyp032e11b1	Score	954
Exons	18588..19072		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82466	Strand	+
Start	18658	End	22205
Name	OJ000129_33.0403.C10.o3.np	Method	AAT/NAP
Start	18652	End	19891
GI	7485887	Score	380
Exons	18652..19301, 19353..19469, 19608..19891		
GI Descrip.	hypothetical protein F20M13.270 - Arabidopsis thaliana gi|4467158|emb|CAB37527.1| (AL035540) putative protein [Arabidopsis thaliana] gi|7270854|emb|CAB80535.1| (AL161593) putative protein [Arabidopsis thaliana]		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82466	Strand	+
Start	18658	End	22205
Name	OJ000129_33.0403.C10.o4.gs	Method	GENSCAN
Start	18658	End	19983
GI	none	Score	.82
Exons	18658..19983		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82466	Strand	+
Start	18658	End	22205
Name	OJ000129_33.0403.C10.o2.gp	Method	AAT/GAP
Start	19812	End	22205
GI	uC-osflcyp032e05a1	Score	954
Exons	19812..19970, 21878..22205		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82467	Strand	-
Start	1022	End	3294
Name	OJ000129_33.0403.C10.o1.np	Method	AAT/NAP
Start	1022	End	3294
GI	862343	Score	142
Exons	1022..1099, 3118..3294		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82468	Strand	-
Start	3443	End	8788
Name	OJ000129_33.0403.C10.o2.gs	Method	GENSCAN
Start	3443	End	8788
GI	none	Score	.55
Exons	3443..3616, 3702..3800, 4197..4400, 4497..4731, 4972..5182,		

6044..6125, 6387..6497, 6599..6769, 6806..7321, 7514..7838, 7854..8788

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82469	Strand	-
Start	10037	End	14778
Name	OJ000129_33.0403.C10.o3.gs	Method	GENSCAN
Start	10037	End	14778
GI	none	Score	.67
Exons	10037..10226, 10445..10544, 10738..10867, 11503..11724, 11873..12037, 12358..12759, 12862..13830, 13966..14477, 14559..14778		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82469	Strand	-
Start	10037	End	14778
Name	OJ000129_33.0403.C10.o2.np	Method	AAT/NAP
Start	11473	End	14778
GI	4680203	Score	3040
Exons	11473..12444, 12721..12951, 13105..14778		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o5.tw	Method	TBLASTX:Wheat
Start	7742	End	8081
GI	none	Score	82
Exons	7742..7774, 7778..7918, 7779..7859, 7913..8080, 7932..8081		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	11533	End	12838
GI	none	Score	47
Exons	11533..11643, 11558..11593, 11608..11673, 11624..11683, 11651..11689, 11693..11770, 11695..11775, 11731..11778, 11742..11879, 11780..11809, 11816..11875, 11882..11923, 11885..11923, 11886..11927, 11887..11949, 11921..12328, 11937..12329, 12321..12836, 12355..12837, 12359..12838		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o1.tc	Method	TBLASTX:Cress
Start	12103	End	12550
GI	none	Score	106
Exons	12103..12279, 12104..12253, 12125..12328, 12138..12329, 12291..12539, 12349..12546, 12355..12546, 12359..12550, 12410..12550		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o4.tm	Method	TBLASTX:Maize
Start	12481	End	12795

GI	none	Score	129
Exons	12481..12795, 12509..12784		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o3.tw	Method	TBLASTX:Wheat
Start	12839	End	13249
GI	none	Score	75
Exons	12839..12925, 12841..12930, 12841..12924, 12957..13160, 12958..13200, 12998..13180, 13186..13248, 13199..13249		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o3.tm	Method	TBLASTX:Maize
Start	13354	End	13816
GI	none	Score	105
Exons	13354..13548, 13558..13800, 13559..13816		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o2.tw	Method	TBLASTX:Wheat
Start	13388	End	13857
GI	none	Score	133
Exons	13388..13624, 13393..13617, 13592..13687, 13597..13695, 13598..13690, 13699..13803, 13703..13804, 13801..13857, 13805..13849		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o3.tc	Method	TBLASTX:Cress
Start	13645	End	13987
GI	none	Score	86
Exons	13645..13986, 13649..13792, 13841..13987		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o2.ts	Method	TBLASTX:Soybean
Start	13726	End	14155
GI	none	Score	87
Exons	13726..14022, 13744..13890, 13936..13968, 14072..14155, 14080..14154		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o4.tw	Method	TBLASTX:Wheat
Start	14086	End	14453
GI	none	Score	189
Exons	14086..14328, 14087..14329, 14094..14336, 14296..14421, 14334..14453		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10

Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o5.tm	Method	TBLASTX:Maize
Start	14181	End	14394
GI	none	Score	113
Exons	14181..14309, 14182..14322, 14183..14308, 14294..14362, 14298..14390, 14323..14394		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o5.gs	Method	GENSCAN
Start	20860	End	32767
GI	none	Score	.54
Exons	20860..21004, 21128..21230, 22299..22395, 24580..24683, 24911..25091, 26384..26802, 27158..27201, 27603..27664, 27789..27878, 27948..28067, 28385..28570, 28720..28881, 32618..32767		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o2.tm	Method	TBLASTX:Maize
Start	23596	End	24643
GI	none	Score	82
Exons	23596..23664, 23803..23889, 23804..23884, 23924..24058, 23932..24024, 23943..24056, 24154..24291, 24154..24243, 24580..24642, 24581..24643		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o4.np	Method	AAT/NAP
Start	23742	End	24729
GI	7291735	Score	218
Exons	23742..23872, 23931..24056, 24155..24240, 24580..24729		
GI Descrip.	(AE003462) CG3209 gene product [Drosophila melanogaster]		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o3.gp	Method	AAT/GAP
Start	27354	End	33025
GI	17442_1.R1084	Score	1862
Exons	27354..27664, 27789..27878, 27948..28067, 28385..28570, 28720..28881, 32618..32773, 33003..33025		
GI Descrip.	'118304/sp|P19572|DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir__A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas aeruginosa'		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	27539	End	32775
GI	none	Score	78

Exons	27539..27661, 27575..27664, 27579..27665, 27579..27665, 27580..27669, 27777..27878, 27778..27843, 27782..27880, 27788..27880, 27789..27881, 27931..28038, 27942..28034, 27948..28049, 27952..28071, 28043..28069, 28047..28070, 28283..28372, 28325..28570, 28385..28570, 28708..28881, 28714..28899, 28719..28892, 32607..32771, 32612..32770, 32616..32774, 32617..32775, 32638..32775		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o1.ts	Method	TBLASTX:Soybean
Start	27582	End	32774
GI	none	Score	66
Exons	27582..27689, 27587..27664, 27777..27878, 27778..27843, 27779..27880, 27788..27880, 27789..27881, 27948..28040, 27949..28071, 28041..28070, 28385..28570, 28386..28571, 28708..28881, 28718..28882, 32612..32770, 32616..32771, 32691..32774		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o2.tc	Method	TBLASTX:Cress
Start	27587	End	28465
GI	none	Score	53
Exons	27587..27664, 27588..27683, 27777..27878, 27778..27843, 27789..27881, 27969..28049, 27970..28071, 28041..28070, 28385..28420, 28421..28465		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o5.np	Method	AAT/NAP
Start	27587	End	28528
GI	6562332	Score	556
Exons	27587..27664, 27789..27878, 27948..28067, 28385..28528		
GI Descrip.	(AJ249960) diaminopimelate decarboxylase [Arabidopsis thaliana]		

Seq. No.	39884	Seq. ID	OJ000129_33.0403.C11
Gene No.	82471	Strand	-
Start	1	End	360
Name	OJ000129_33.0403.C11.o1.gp	Method	AAT/GAP
Start	1	End	360
GI	17442_1.R1084	Score	720
Exons	1..360		
GI Descrip.	'118304/sp|P19572|DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir__A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas aeruginosa'		

Seq. No.	39884	Seq. ID	OJ000129_33.0403.C11
Gene No.	82471	Strand	-
Start	1	End	360
Name	OJ000129_33.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	34	End	344
GI	none	Score	120

Exons	34..120, 36..125, 57..125, 234..344		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82472	Strand	+
Start	13799	End	19758
Name	OJ000129_33.0403.C12.o3.gs	Method	GENSCAN
Start	13799	End	19758
GI	none	Score	.43
Exons	13799..13927, 15605..15793, 15932..16088, 16454..16568, 18326..18428, 18726..19254, 19317..19426, 19553..19604, 19640..19758		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o2.gs	Method	GENSCAN
Start	7401	End	12979
GI	none	Score	.48
Exons	7401..7562, 7616..7753, 10944..11102, 11204..11516, 11987..12172, 12552..12979		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.ts	Method	TBLASTX:Soybean
Start	11440	End	15484
GI	none	Score	96
Exons	11440..11532, 15025..15282, 15335..15484		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o2.tm	Method	TBLASTX:Maize
Start	11440	End	15269
GI	none	Score	81
Exons	11440..11532, 11443..11532, 11444..11533, 11454..11540, 15025..15264, 15028..15258, 15030..15269		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.tc	Method	TBLASTX:Cress
Start	11443	End	15520
GI	none	Score	112
Exons	11443..11532, 15028..15141, 15157..15291, 15332..15520		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.np	Method	AAT/NAP
Start	12453	End	22844
GI	5852180	Score	149
Exons	12453..12613, 12939..13128, 14103..14171, 22819..22844		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-

Start	7401	End	22844
Name	OJ000129_33.0403.C12.o2.np	Method	AAT/NAP
Start	14968	End	19734
GI	4512618	Score	559
Exons	14968..16068, 17522..17566, 19697..19734		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o3.tm	Method	TBLASTX:Maize
Start	15302	End	15619
GI	none	Score	96
Exons	15302..15619, 15305..15601, 15366..15608		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.tw	Method	TBLASTX:Wheat
Start	15329	End	15685
GI	none	Score	69
Exons	15329..15514, 15366..15512, 15524..15685		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.tm	Method	TBLASTX:Maize
Start	15620	End	16044
GI	none	Score	132
Exons	15620..15895, 15623..15895, 15663..15902, 15896..16042, 15908..16042, 16021..16044		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o3.np	Method	AAT/NAP
Start	16071	End	19883
GI	119110	Score	155
Exons	16071..16120, 18659..18721, 18799..19883		
GI Descrip.	EBNA-1 NUCLEAR PROTEIN gi|73987|pir||QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8) gi|1334880|emb|CAA24816.1| (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o4.np	Method	AAT/NAP
Start	19452	End	22401
GI	4567294	Score	60
Exons	19452..19506, 22180..22401		
GI Descrip.	(AC006918) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12

Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o4.gs	Method	GENSCAN
Start	21238	End	22614
GI	none	Score	.75
Exons	21238..21888, 21940..22116, 22522..22614		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o3.np	Method	AAT/NAP
Start	4994	End	8704
GI	4006913	Score	1067
Exons	4994..5089, 5859..6049, 6135..6234, 6341..6604, 6689..6766, 6863..6964, 7042..7091, 7175..7268, 8150..8704		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana] gi|7270597|emb|CAB80315.1| (AL161589) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.gp	Method	AAT/GAP
Start	5399	End	6229
GI	uC-osflM202095g06b1	Score	824
Exons	5399..5493, 5767..6049, 6135..6229		
GI Descrip.	'4914429/emb|CAB43632.1| 2.0e-29 (AL050351) SEC14-like protein [Arabidopsis thaliana]'		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o2.gs	Method	GENSCAN
Start	5448	End	8686
GI	none	Score	.83
Exons	5448..5493, 5767..5963, 6338..6604, 6689..6766, 6863..6964, 7042..7091, 7175..7268, 7371..7472, 7584..7700, 8166..8271, 8367..8686		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o2.gp	Method	AAT/GAP
Start	6311	End	6759
GI	LIB3434-045-P1-K1-E12	Score	595
Exons	6311..6604, 6690..6759		
GI Descrip.	'4874285/gb|AAD31348.1|AC007212_4 6.0e-49 (AC007212) putative phosphatidylinositol/phophatidylcholine transfer protein [Arabidopsis thaliana]'		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o3.gp	Method	AAT/GAP
Start	8465	End	8704
GI	none	Score	436
Exons	8465..8704		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82475	Strand	-
Start	1	End	3660
Name	OJ000129_33.0403.C13.o2.np	Method	AAT/NAP
Start	1	End	3660
GI	5042463	Score	175
Exons	1..88, 890..971, 1024..1178, 1843..2028, 3623..3660		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82475	Strand	-
Start	1	End	3660
Name	OJ000129_33.0403.C13.o1.np	Method	AAT/NAP
Start	188	End	838
GI	7248393	Score	648
Exons	188..838		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.tm	Method	TBLASTX:Maize
Start	5448	End	8704
GI	none	Score	63
Exons	5448..5492, 5737..5820, 5753..5938, 5754..6050, 5771..6052, 5800..6048, 6132..6236, 6133..6234, 6143..6241, 6330..6482, 6335..6604, 6335..6604, 6337..6606, 6679..6765, 6688..6753, 6689..6772, 6860..6967, 6862..6966, 7027..7095, 7042..7089, 7163..7267, 7170..7271, 7365..7442, 7371..7454, 7440..7478, 7619..7690, 7620..7691, 8139..8255, 8156..8233, 8156..8269, 8160..8252, 8244..8270, 8365..8466, 8366..8467, 8373..8468, 8480..8704, 8499..8699, 8552..8704		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.ts	Method	TBLASTX:Soybean
Start	5795	End	8701
GI	none	Score	61
Exons	5795..5887, 5795..5902, 5883..6050, 5932..5982, 6132..6227, 6133..6234, 6329..6415, 6386..6604, 6398..6604, 6400..6612, 6406..6606, 6677..6772, 6722..6790, 6860..6967, 6862..6966, 7038..7169, 7042..7089, 7163..7213, 7170..7214, 7199..7264, 7200..7277, 8585..8701		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o3.tc	Method	TBLASTX:Cress
Start	5810	End	6195
GI	none	Score	51
Exons	5810..5893, 5816..5887, 5898..6050, 5916..6050, 6132..6191, 6133..6195, 6134..6193		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	

Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.tc	Method	TBLASTX:Cress
Start	6198	End	6579
GI	none	Score	49
Exons	6198..6236, 6199..6234, 6330..6428, 6335..6577, 6335..6433, 6373..6579		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.tw	Method	TBLASTX:Wheat
Start	6359	End	7086
GI	none	Score	284
Exons	6359..6604, 6373..6609, 6388..6603, 6689..6790, 6698..6784, 6860..6967, 6861..6971, 6862..6966, 7042..7086		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o2.tc	Method	TBLASTX:Cress
Start	6860	End	7277
GI	none	Score	165
Exons	6860..6967, 6874..6966, 7042..7086, 7163..7198, 7173..7211, 7199..7267, 7200..7277		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82477	Strand	+
Start	32	End	331
Name	OJ000129_33.0403.C14.o1.gs	Method	GENSCAN
Start	32	End	331
GI	none	Score	.81
Exons	32..70, 314..331		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82478	Strand	+
Start	1653	End	9419
Name	OJ000129_33.0403.C14.o2.gs	Method	GENSCAN
Start	1653	End	9419
GI	none	Score	.68
Exons	1653..2340, 3619..3721, 7531..7724, 8473..8623, 9130..9139, 9315..9419		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82478	Strand	+
Start	1653	End	9419
Name	OJ000129_33.0403.C14.o1.gp	Method	AAT/GAP
Start	3191	End	6058
GI	none	Score	1202
Exons	3191..3464, 3539..3583, 3711..3753, 4499..4564, 5786..6058		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82479	Strand	+
Start	11350	End	11456
Name	OJ000129_33.0403.C14.o3.gp	Method	AAT/GAP
Start	11350	End	11456
GI	5816518	Score	151
Exons	11350..11456		

GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82480	Strand	+
Start	11853	End	14241
Name	OJ000129_33.0403.C14.o1.np	Method	AAT/NAP
Start	11610	End	14241
GI	7106512	Score	936
Exons	11610..11670, 11743..11896, 12093..13334, 13781..14241		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82480	Strand	+
Start	11853	End	14241
Name	OJ000129_33.0403.C14.o4.gs	Method	GENSCAN
Start	11853	End	13278
GI	none	Score	.94
Exons	11853..12137, 12601..13278		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82481	Strand	-
Start	14027	End	14188
Name	OJ000129_33.0403.C14.o5.gs	Method	GENSCAN
Start	14027	End	14188
GI	none	Score	.96
Exons	14027..14188		

Seq. No.	39888	Seq. ID	OJ000129_33.0403.C15
Gene No.	82482	Strand	+
Start	1	End	1060
Name	OJ000129_33.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	1060
GI	7106512	Score	1025
Exons	1..958, 1013..1060		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39888	Seq. ID	OJ000129_33.0403.C15
Gene No.	82482	Strand	+
Start	1	End	1060
Name	OJ000129_33.0403.C15.o1.gs	Method	GENSCAN
Start	12	End	978
GI	none	Score	.65
Exons	12..357, 425..978		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82483	Strand	+
Start	699	End	1858
Name	OJ000229_21.0410.C2.o1.gp	Method	AAT/GAP
Start	699	End	1858
GI	342_1.R1084	Score	127
Exons	699..793, 1831..1858		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82484	Strand	+
Start	3180	End	7051
Name	OJ000229_21.0410.C2.o3.gs	Method	GENSCAN
Start	3180	End	7051
GI	none	Score	.93
Exons	3180..3330, 4440..4619, 4724..5003, 5313..5466, 6325..6375, 6490..6513, 7043..7051		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82485	Strand	+
Start	11424	End	13581
Name	OJ000229_21.0410.C2.o2.np	Method	AAT/NAP
Start	11393	End	13456
GI	4454470	Score	1616
Exons	11393..11600, 12033..13456		
GI Descrip.	(AC006234) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82485	Strand	+
Start	11424	End	13581
Name	OJ000229_21.0410.C2.o5.gs	Method	GENSCAN
Start	11424	End	13471
GI	none	Score	.55
Exons	11424..11592, 12069..13471		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82485	Strand	+
Start	11424	End	13581
Name	OJ000229_21.0410.C2.o2.gp	Method	AAT/GAP
Start	13021	End	13581
GI	69911_1.R1084	Score	1069
Exons	13021..13581		
GI Descrip.	'4544451/gb|AAD22359.1|AC006592_16 7.0e-55 (AC006592) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82486	Strand	-
Start	1	End	2518
Name	OJ000229_21.0410.C2.o1.np	Method	AAT/NAP
Start	1	End	2482
GI	7484871	Score	588
Exons	1..281, 826..1132, 2323..2482		
GI Descrip.	cim1 protein homolog F26K10.130 - Arabidopsis thaliana gi|7269679|emb|CAB79627.1| (AL161572) putative beta-expansin/allergen protein [Arabidopsis thaliana]		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82486	Strand	-
Start	1	End	2518
Name	OJ000229_21.0410.C2.o1.gs	Method	GENSCAN
Start	152	End	1864
GI	none	Score	.79
Exons	152..281, 826..1132, 1639..1864		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82486	Strand	-

```
Start        1                               End       2518
Name         OJ000229_21.0410.C2.o2.gs       Method    GENSCAN
Start        2243                            End       2518
GI           none                            Score     .98
Exons        2243..2289, 2323..2518

Seq. No.     39889                           Seq. ID   OJ000229_21.0410.C2
Gene No.     82487                           Strand    -
Start        8408                            End       9409
Name         OJ000229_21.0410.C2.o4.gs       Method    GENSCAN
Start        8408                            End       9409
GI           none                            Score     .43
Exons        8408..8490, 8613..8637, 8964..9098, 9110..9409

Seq. No.     39889                           Seq. ID   OJ000229_21.0410.C2
Gene No.     82488                           Strand    -
Start        14196                           End       15533
Name         OJ000229_21.0410.C2.o6.gs       Method    GENSCAN
Start        14196                           End       15533
GI           none                            Score     .65
Exons        14196..15533

Seq. No.     39889                           Seq. ID   OJ000229_21.0410.C2
Gene No.     82488                           Strand    -
Start        14196                           End       15533
Name         OJ000229_21.0410.C2.o3.np       Method    AAT/NAP
Start        14202                           End       15073
GI           6751693                         Score     774
Exons        14202..15073
GI Descrip.  (AC018908) hypothetical protein [Arabidopsis thaliana]

Seq. No.     39889                           Seq. ID   OJ000229_21.0410.C2
Gene No.     82489                           Strand    -
Start        15546                           End       15847
Name         OJ000229_21.0410.C2.o3.gp       Method    AAT/GAP
Start        15546                           End       15847
GI           3061212                         Score     575
Exons        15546..15847

Seq. No.     39889                           Seq. ID   OJ000229_21.0410.C2
Gene No.     82490                           Strand    -
Start        16997                           End       17991
Name         OJ000229_21.0410.C2.o6.tm       Method    TBLASTX:Maize
Start        134                             End       1134
GI           none                            Score     128
Exons        134..292, 825..1133, 886..1050, 1093..1134

Seq. No.     39889                           Seq. ID   OJ000229_21.0410.C2
Gene No.     82490                           Strand    -
Start        16997                           End       17991
Name         OJ000229_21.0410.C2.o5.ts       Method    TBLASTX:Soybean
Start        140                             End       2380
GI           none                            Score     107
Exons        140..292, 825..923, 948..1133, 949..1134, 1189..1254, 2321..2380

Seq. No.     39889                           Seq. ID   OJ000229_21.0410.C2
Gene No.     82490                           Strand    -
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Start	16997	End	17991
Name	OJ000229_21.0410.C2.o2.tc	Method	TBLASTX:Cress
Start	897	End	2377
GI	none	Score	198
Exons	897..941, 948..1133, 949..1134, 2321..2377		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o2.ts	Method	TBLASTX:Soybean
Start	9366	End	13378
GI	none	Score	66
Exons	9366..9422, 11517..11591, 12023..12634, 12067..12630, 13238..13378		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	12026	End	12613
GI	none	Score	506
Exons	12026..12613, 12067..12612		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o4.tc	Method	TBLASTX:Cress
Start	12211	End	12616
GI	none	Score	238
Exons	12211..12435, 12212..12616		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o2.tw	Method	TBLASTX:Wheat
Start	12442	End	12616
GI	none	Score	184
Exons	12442..12615, 12443..12616		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	12643	End	13236
GI	none	Score	166
Exons	12643..13002, 12698..13039, 12703..13008, 13053..13187, 13058..13234, 13063..13236		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	12728	End	13378
GI	none	Score	279
Exons	12728..13036, 12736..13035, 13067..13378, 13099..13377		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2

Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o3.tc	Method	TBLASTX:Cress
Start	12803	End	13032
GI	none	Score	279
Exons	12803..13024, 12805..13026, 12892..13032		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	13072	End	13417
GI	none	Score	336
Exons	13072..13350, 13073..13351, 13082..13351, 13334..13417, 13355..13417		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o1.tw	Method	TBLASTX:Wheat
Start	13112	End	13381
GI	none	Score	188
Exons	13112..13381, 13234..13377		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o5.tm	Method	TBLASTX:Maize
Start	14233	End	14451
GI	none	Score	224
Exons	14233..14451, 14234..14335, 14235..14450		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o7.tm	Method	TBLASTX:Maize
Start	14826	End	15072
GI	none	Score	106
Exons	14826..15071, 14827..15072		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o3.ts	Method	TBLASTX:Soybean
Start	16993	End	17264
GI	none	Score	117
Exons	16993..17262, 16995..17129, 16997..17191, 16997..17263, 17208..17264		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o7.gs	Method	GENSCAN
Start	16997	End	17755
GI	none	Score	.6
Exons	16997..17335, 17444..17755		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o4.np	Method	AAT/NAP
Start	17000	End	17991
GI	4454471	Score	862
Exons	17000..17335, 17444..17755, 17874..17991		
GI Descrip.	(AC006234) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o5.tc	Method	TBLASTX:Cress
Start	17003	End	17317
GI	none	Score	132
Exons	17003..17098, 17123..17317		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o3.tm	Method	TBLASTX:Maize
Start	17006	End	17275
GI	none	Score	108
Exons	17006..17275, 17013..17129, 17015..17275		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o4.ts	Method	TBLASTX:Soybean
Start	17439	End	17964
GI	none	Score	96
Exons	17439..17504, 17441..17545, 17534..17722, 17546..17701, 17622..17705, 17886..17963, 17887..17964		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o4.tm	Method	TBLASTX:Maize
Start	17450	End	17755
GI	none	Score	200
Exons	17450..17698, 17451..17699, 17462..17701, 17484..17699, 17702..17755		

Seq. No.	39890	Seq. ID	OJ000229_21.0410.C3
Gene No.	82491	Strand	+
Start	1271	End	2567
Name	OJ000229_21.0410.C3.o2.np	Method	AAT/NAP
Start	1271	End	2567
GI	6721547	Score	100
Exons	1271..1355, 2533..2567		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	39890	Seq. ID	OJ000229_21.0410.C3
Gene No.	82492	Strand	-
Start	143	End	514
Name	OJ000229_21.0410.C3.o1.np	Method	AAT/NAP
Start	143	End	514

GI	7510076	Score	93
Exons	143..514		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	39890	Seq. ID	OJ000229_21.0410.C3
Gene No.	82493	Strand	-
Start	1951	End	2567
Name	OJ000229_21.0410.C3.o3.np	Method	AAT/NAP
Start	1951	End	2567
GI	6862952	Score	186
Exons	1951..2062, 2166..2337, 2446..2567		
GI Descrip.	(AC019018) putative G protein-coupled receptor [Arabidopsis thaliana]		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6
Gene No.	82494	Strand	+
Start	202	End	1128
Name	OJ000229_21.0410.C6.o1.gs	Method	GENSCAN
Start	202	End	1128
GI	none	Score	.5
Exons	202..309, 399..587, 719..845, 986..1128		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6
Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	198	End	943
GI	none	Score	203
Exons	198..308, 202..309, 386..652, 396..656, 396..656, 657..722, 661..732, 804..854, 838..888, 896..943		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6
Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	213	End	542
GI	none	Score	148
Exons	213..308, 229..309, 246..317, 383..535, 386..523, 396..542, 396..542		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6
Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	471	End	650
GI	none	Score	216
Exons	471..650, 480..650		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6
Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o2.gs	Method	GENSCAN
Start	1886	End	4445
GI	none	Score	.75
Exons	1886..2007, 2488..2665, 3426..3901, 4015..4130, 4180..4445		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6

Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o2.np	Method	AAT/NAP
Start	1886	End	4142
GI	5903067	Score	801
Exons	1886..2007, 2106..2175, 2263..2345, 2488..2665, 3426..3901, 4015..4142		
GI Descrip.	(AC008016) F6D8.25 [Arabidopsis thaliana]		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6
Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	2627	End	3689
GI	none	Score	59
Exons	2627..2665, 2628..2666, 3425..3514, 3426..3524, 3426..3572, 3449..3559, 3576..3608, 3577..3615, 3654..3689		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6
Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	3522	End	4070
GI	none	Score	99
Exons	3522..3608, 3660..3794, 3690..3779, 3819..3899, 3820..3900, 4013..4069, 4014..4070		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82496	Strand	+
Start	7946	End	9359
Name	OJ000229_21.0410.C9.o2.gs	Method	GENSCAN
Start	7946	End	9359
GI	none	Score	.84
Exons	7946..8056, 8532..8878, 8924..9359		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82497	Strand	+
Start	23058	End	23634
Name	OJ000229_21.0410.C9.o3.np	Method	AAT/NAP
Start	23058	End	23634
GI	5091507	Score	315
Exons	23058..23220, 23271..23314, 23517..23634		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82498	Strand	+
Start	25070	End	25374
Name	OJ000229_21.0410.C9.o6.gs	Method	GENSCAN
Start	25070	End	25374
GI	none	Score	.95
Exons	25070..25255, 25306..25374		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82499	Strand	-
Start	18	End	4705
Name	OJ000229_21.0410.C9.o1.gs	Method	GENSCAN
Start	18	End	4705

GI	none	Score	.85
Exons	18..78, 1824..1919, 2667..3584, 3680..4705		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82500	Strand	-
Start	12521	End	13179
Name	OJ000229_21.0410.C9.o1.gp	Method	AAT/GAP
Start	12284	End	12999
GI	58152_1.R1084	Score	1395
Exons	12284..12999		
GI Descrip.	'1362192/pir||JT0703 4.0e-23 ferredoxin--thioredoxin reductase (EC 1.18.-.-) variable chain - maize'		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82500	Strand	-
Start	12521	End	13179
Name	OJ000229_21.0410.C9.o3.gs	Method	GENSCAN
Start	12521	End	13179
GI	none	Score	.98
Exons	12521..13065, 13116..13179		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82500	Strand	-
Start	12521	End	13179
Name	OJ000229_21.0410.C9.o1.np	Method	AAT/NAP
Start	12527	End	12817
GI	1362192	Score	400
Exons	12527..12817		
GI Descrip.	ferredoxin--thioredoxin reductase (EC 1.18.-.-) variable chain - maize		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o3.tm	Method	TBLASTX:Maize
Start	3027	End	3438
GI	none	Score	39
Exons	3027..3056, 3030..3056, 3151..3255, 3153..3230, 3154..3243, 3270..3374, 3274..3399, 3280..3375, 3315..3377, 3372..3434, 3378..3434, 3379..3438, 3385..3435		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	12521	End	13044
GI	none	Score	70
Exons	12521..12586, 12554..12847, 12555..12836, 12890..12919, 12982..13038, 12982..13044		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o2.ts	Method	TBLASTX:Soybean
Start	12554	End	12769
GI	none	Score	40
Exons	12554..12580, 12558..12581, 12608..12769, 12609..12767		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o5.gs	Method	GENSCAN
Start	18084	End	24294
GI	none	Score	.51
Exons	18084..18692, 19238..19318, 19827..19985, 20005..21382, 21504..21743, 22704..22757, 23071..23158, 23256..23443, 24230..24294		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o2.np	Method	AAT/NAP
Start	19948	End	21244
GI	4454460	Score	351
Exons	19948..20007, 20143..20345, 20489..21244		
GI Descrip.	(AC006234) AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o1.tc	Method	TBLASTX:Cress
Start	20485	End	20713
GI	none	Score	141
Exons	20485..20712, 20519..20713		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	20494	End	20826
GI	none	Score	95
Exons	20494..20694, 20500..20637, 20516..20695, 20758..20826, 20768..20818		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o2.tm	Method	TBLASTX:Maize
Start	20516	End	20827
GI	none	Score	128
Exons	20516..20713, 20518..20706, 20795..20827		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	20518	End	20688
GI	none	Score	186
Exons	20518..20688		

Seq. No.	39893	Seq. ID	OJ000229_21.0410.C10
Gene No.	82502	Strand	+
Start	61	End	281

Name	OJ000229_21.0410.C10.o1.gs	Method	GENSCAN
Start	61	End	281
GI	none	Score	.6
Exons	61..281		

Seq. No.	39893	Seq. ID	OJ000229_21.0410.C10
Gene No.	82503	Strand	+
Start	1965	End	4808
Name	OJ000229_21.0410.C10.o2.np	Method	AAT/NAP
Start	1965	End	4808
GI	7106528	Score	77
Exons	1965..1989, 4681..4808		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39893	Seq. ID	OJ000229_21.0410.C10
Gene No.	82504	Strand	-
Start	1489	End	2156
Name	OJ000229_21.0410.C10.o1.np	Method	AAT/NAP
Start	1489	End	2156
GI	7510076	Score	70
Exons	1489..1668, 2004..2156		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	39893	Seq. ID	OJ000229_21.0410.C10
Gene No.	82505	Strand	-
Start	2793	End	3620
Name	OJ000229_21.0410.C10.o2.gs	Method	GENSCAN
Start	2793	End	3620
GI	none	Score	.91
Exons	2793..3050, 3262..3331, 3367..3620		

Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82506	Strand	+
Start	7178	End	12166
Name	OJ000229_21.0410.C11.o2.gs	Method	GENSCAN
Start	7178	End	12166
GI	none	Score	.64
Exons	7178..7369, 9015..9233, 9740..9973, 11328..11440, 11488..11573, 12138..12166		

Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82507	Strand	-
Start	824	End	3824
Name	OJ000229_21.0410.C11.o1.gs	Method	GENSCAN
Start	824	End	3824
GI	none	Score	.7
Exons	824..1002, 1828..2000, 2487..2770, 3768..3824		

Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82508	Strand	-
Start	16794	End	16952
Name	OJ000229_21.0410.C11.o3.gs	Method	GENSCAN
Start	16794	End	16952
GI	none	Score	.72
Exons	16794..16952		

Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82509	Strand	-
Start	17365	End	18652
Name	OJ000229_21.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	7787	End	8059
GI	none	Score	41
Exons	7787..7885, 7871..7936, 7880..8059, 7965..8042		

Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82509	Strand	-
Start	17365	End	18652
Name	OJ000229_21.0410.C11.o1.tw	Method	TBLASTX:Wheat
Start	7954	End	8278
GI	none	Score	40
Exons	7954..7983, 7965..8036, 7967..8059, 8062..8274, 8156..8278		

Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82509	Strand	-
Start	17365	End	18652
Name	OJ000229_21.0410.C11.o4.gs	Method	GENSCAN
Start	17365	End	18652
GI	none	Score	.59
Exons	17365..17902, 17994..18100, 18542..18652		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.np	Method	AAT/NAP
Start	1	End	1248
GI	7021732	Score	678
Exons	1..83, 384..1071, 1099..1248		
GI Descrip.	(AC024081) unknown protein [Arabidopsis thaliana]		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.gs	Method	GENSCAN
Start	56	End	1356
GI	none	Score	.44
Exons	56..1356		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	274	End	732
GI	none	Score	281
Exons	274..486, 274..486, 276..488, 440..499, 477..731, 478..732		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	442	End	867
GI	none	Score	140
Exons	442..543, 447..545, 463..555, 601..777, 672..776, 798..860, 799..867		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	447	End	765
GI	none	Score	136
Exons	447..545, 448..543, 580..765, 591..764		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o2.tm	Method	TBLASTX:Maize
Start	930	End	1071
GI	none	Score	150
Exons	930..1070, 930..1070, 931..1071		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o3.tm	Method	TBLASTX:Maize
Start	1086	End	1257
GI	none	Score	207
Exons	1086..1247, 1087..1257, 1087..1248		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.np	Method	AAT/NAP
Start	1	End	2517
GI	7021732	Score	798
Exons	1..48, 530..623, 741..898, 983..1034, 1140..1222, 1307..1400, 1967..2517		
GI Descrip.	(AC024081) unknown protein [Arabidopsis thaliana]		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	529	End	2094
GI	none	Score	68
Exons	529..621, 530..622, 535..621, 739..789, 740..790, 747..791, 782..898, 784..894, 788..898, 792..899, 793..900, 985..1014, 986..1033, 1139..1222, 1303..1401, 1306..1401, 1328..1408, 1965..2072, 1966..2094, 2021..2092		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	530	End	2175
GI	none	Score	145
Exons	530..622, 531..623, 532..621, 739..894, 740..898, 741..902, 742..900, 747..905, 979..1032, 980..1033, 993..1037, 1139..1225, 1139..1225, 1146..1241, 1346..1408, 1348..1401, 1965..2174, 1965..2174, 1966..2175		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	575	End	1038
GI	none	Score	53
Exons	575..622, 739..894, 740..898, 741..899, 747..899, 988..1038, 989..1033		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.gs	Method	GENSCAN
Start	741	End	2713
GI	none	Score	.53
Exons	741..935, 1317..1400, 1967..2514, 2599..2713		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	2359	End	2732
GI	none	Score	168
Exons	2359..2520, 2359..2523, 2363..2524, 2409..2534, 2556..2648, 2557..2649, 2561..2656, 2581..2652, 2706..2732		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.gp	Method	AAT/GAP
Start	2503	End	2734
GI	4714376	Score	443
Exons	2503..2734		

Seq. No.	39897	Seq. ID	OJ000229_21.0410.C14
Gene No.	82512	Strand	+
Start	326	End	2964
Name	OJ000229_21.0410.C14.o1.gs	Method	GENSCAN
Start	326	End	2964
GI	none	Score	.54
Exons	326..408, 2306..2467, 2641..2823, 2858..2964		

Seq. No.	39898	Seq. ID	OJ000229_21.0410.C15
Gene No.	82513	Strand	+
Start	1	End	2231
Name	OJ000229_21.0410.C15.o1.np	Method	AAT/NAP
Start	1	End	2231
GI	7485642	Score	787
Exons	1..31, 758..1314, 1806..2020, 2166..2231		
GI Descrip.	hypothetical protein F17L22.130 - Arabidopsis thaliana gi|4455275|emb|CAB36811.1| (AL035527) putative protein [Arabidopsis thaliana] gi|7268964|emb|CAB81274.1| (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	39898	Seq. ID	OJ000229_21.0410.C15
Gene No.	82513	Strand	+
Start	1	End	2231

Name	OJ000229_21.0410.C15.o1.gs	Method	GENSCAN
Start	713	End	2016
GI	none	Score	.91
Exons	713..718, 838..1314, 1806..2016		

Seq. No.	39899	Seq. ID	OJ000229_21.0410.C16
Gene No.	82514	Strand	-
Start	134	End	515
Name	OJ000229_21.0410.C16.o1.gs	Method	GENSCAN
Start	134	End	515
GI	none	Score	.67
Exons	134..391, 407..515		

Seq. No.	39900	Seq. ID	OJ000229_21.0410.C19
Gene No.	82515	Strand	+
Start	593	End	689
Name	OJ000229_21.0410.C19.o1.gs	Method	GENSCAN
Start	593	End	689
GI	none	Score	.98
Exons	593..689		

Seq. No.	39901	Seq. ID	OJ000229_21.0410.C20
Gene No.	82516	Strand	+
Start	1	End	1501
Name	OJ000229_21.0410.C20.o1.np	Method	AAT/NAP
Start	1	End	1501
GI	7485642	Score	98
Exons	1..213, 289..372, 653..718, 1271..1394, 1441..1501		
GI Descrip.	hypothetical protein F17L22.130 - Arabidopsis thaliana gi|4455275|emb|CAB36811.1| (AL035527) putative protein [Arabidopsis thaliana] gi|7268964|emb|CAB81274.1| (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	39901	Seq. ID	OJ000229_21.0410.C20
Gene No.	82516	Strand	+
Start	1	End	1501
Name	OJ000229_21.0410.C20.o1.tm	Method	TBLASTX:Maize
Start	22	End	1486
GI	none	Score	176
Exons	22..213, 22..213, 289..375, 291..374, 649..714, 650..718, 1267..1350, 1269..1355, 1271..1345, 1463..1486		

Seq. No.	39901	Seq. ID	OJ000229_21.0410.C20
Gene No.	82516	Strand	+
Start	1	End	1501
Name	OJ000229_21.0410.C20.o1.gs	Method	GENSCAN
Start	151	End	733
GI	none	Score	.81
Exons	151..213, 289..372, 653..733		

Seq. No.	39902	Seq. ID	OJ000229_20.0404.C1
Gene No.	82517	Strand	+
Start	9	End	114
Name	OJ000229_20.0404.C1.o1.gs	Method	GENSCAN
Start	9	End	114
GI	none	Score	.79
Exons	9..53, 106..114		

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Seq. No.       39902                          Seq. ID   OJ000229_20.0404.C1
Gene No.       82518                          Strand    +
Start          853                            End       1233
Name           OJ000229_20.0404.C1.o2.gp      Method    AAT/GAP
Start          853                            End       1233
GI             none                           Score     736
Exons          853..1233

Seq. No.       39902                          Seq. ID   OJ000229_20.0404.C1
Gene No.       82519                          Strand    -
Start          1065                           End       1196
Name           OJ000229_20.0404.C1.o1.gp      Method    AAT/GAP
Start          345                            End       600
GI             none                           Score     492
Exons          345..600

Seq. No.       39902                          Seq. ID   OJ000229_20.0404.C1
Gene No.       82519                          Strand    -
Start          1065                           End       1196
Name           OJ000229_20.0404.C1.o2.gs      Method    GENSCAN
Start          1065                           End       1196
GI             none                           Score     .48
Exons          1065..1196

Seq. No.       39902                          Seq. ID   OJ000229_20.0404.C1
Gene No.       82520                          Strand    -
Start          1107                           End       1259
Name           OJ000229_20.0404.C1.o1.np      Method    AAT/NAP
Start          1107                           End       1259
GI             4544449                        Score     133
Exons          1107..1259
GI Descrip.    (AC006592) putative peroxidase [Arabidopsis thaliana]

Seq. No.       39903                          Seq. ID   OJ000229_20.0404.C2
Gene No.       82521                          Strand    -
Start          1                              End       2566
Name           OJ000229_20.0404.C2.o1.np      Method    AAT/NAP
Start          1                              End       2013
GI             4544449                        Score     343
Exons          1..33, 1422..1613, 1810..2013
GI Descrip.    (AC006592) putative peroxidase [Arabidopsis thaliana]

Seq. No.       39903                          Seq. ID   OJ000229_20.0404.C2
Gene No.       82521                          Strand    -
Start          1                              End       2566
Name           OJ000229_20.0404.C2.o1.gs      Method    GENSCAN
Start          370                            End       2064
GI             none                           Score     .51
Exons          370..519, 608..772, 1140..1259, 1422..1613, 1705..2064

Seq. No.       39903                          Seq. ID   OJ000229_20.0404.C2
Gene No.       82521                          Strand    -
Start          1                              End       2566
Name           OJ000229_20.0404.C2.o1.tc      Method    TBLASTX:Cress
Start          1419                           End       1947
GI             none                           Score     78
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Exons	1419..1622, 1534..1614, 1813..1947		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.o1.tw	Method	TBLASTX:Wheat
Start	1419	End	2566
GI	none	Score	79
Exons	1419..1538, 1540..1620, 1545..1622, 2352..2456, 2525..2566		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.o1.tm	Method	TBLASTX:Maize
Start	1419	End	1947
GI	none	Score	104
Exons	1419..1622, 1465..1620, 1524..1622, 1813..1947, 1814..1936		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.o1.ts	Method	TBLASTX:Soybean
Start	1422	End	1969
GI	none	Score	115
Exons	1422..1622, 1465..1614, 1810..1959, 1811..1969		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.o1.gp	Method	AAT/GAP
Start	1504	End	2161
GI	25074_1.R1084	Score	888
Exons	1504..1613, 1810..2161		
GI Descrip.	'4544449/gb|AAD22357.1|AC006592_14 2.0e-25 (AC006592) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82522	Strand	+
Start	13194	End	13536
Name	OJ000229_20.0404.C3.o2.gp	Method	AAT/GAP
Start	13194	End	13536
GI	none	Score	457
Exons	13194..13536		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82523	Strand	-
Start	1	End	1822
Name	OJ000229_20.0404.C3.o1.np	Method	AAT/NAP
Start	1	End	1822
GI	7444451	Score	1418
Exons	1..1822		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82523	Strand	-

Start	1	End	1822
Name	OJ000229_20.0404.C3.o1.gs	Method	GENSCAN
Start	784	End	1810
GI	none	Score	.89
Exons	784..1810		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82524	Strand	-
Start	2276	End	3121
Name	OJ000229_20.0404.C3.o1.gp	Method	AAT/GAP
Start	2276	End	2855
GI	uC-osflcyp172e08b1	Score	724
Exons	2276..2480, 2635..2855		
GI Descrip.	'4102727 5.0e-24 (AF015782) blight-associated protein p12 precursor [Citrus jambhiri]'		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82524	Strand	-
Start	2276	End	3121
Name	OJ000229_20.0404.C3.o2.np	Method	AAT/NAP
Start	2631	End	3121
GI	4102727	Score	375
Exons	2631..2911, 3013..3121		
GI Descrip.	(AF015782) blight-associated protein p12 precursor [Citrus jambhiri]		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.ts	Method	TBLASTX:Soybean
Start	94	End	483
GI	none	Score	158
Exons	94..261, 280..483		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o1.tw	Method	TBLASTX:Wheat
Start	574	End	961
GI	none	Score	70
Exons	574..702, 594..686, 689..961, 722..910		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o5.tm	Method	TBLASTX:Maize
Start	776	End	1294
GI	none	Score	85
Exons	776..925, 782..904, 923..1045, 1098..1112, 1181..1231, 1232..1294		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.tc	Method	TBLASTX:Cress
Start	1241	End	1762
GI	none	Score	60

Exons	1241..1591, 1649..1762		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o2.tw	Method	TBLASTX:Wheat
Start	1295	End	1729
GI	none	Score	58
Exons	1295..1477, 1319..1474, 1353..1496, 1484..1729, 1485..1589		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.tm	Method	TBLASTX:Maize
Start	1295	End	1726
GI	none	Score	85
Exons	1295..1603, 1356..1556, 1649..1726		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.tm	Method	TBLASTX:Maize
Start	2656	End	3072
GI	none	Score	70
Exons	2656..2724, 2658..2723, 2724..2921, 2725..2766, 2751..2909, 2791..2922, 3026..3046, 3037..3072		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.gs	Method	GENSCAN
Start	10507	End	18407
GI	none	Score	.63
Exons	10507..11181, 11307..11393, 11509..11700, 11820..11915, 12046..12132, 15216..15680, 15793..15872, 16314..16919, 18356..18407		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.np	Method	AAT/NAP
Start	10524	End	16879
GI	4063751	Score	737
Exons	10524..11181, 11509..11717, 11804..11915, 12025..12132, 15216..15680, 15793..15872, 16314..16480, 16558..16879		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o1.tc	Method	TBLASTX:Cress
Start	10537	End	11327
GI	none	Score	113
Exons	10537..10707, 10765..11190, 10856..10990, 11063..11191, 11304..11327		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3

Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o1.ts	Method	TBLASTX:Soybean
Start	10582	End	11187
GI	none	Score	109
Exons	10582..10743, 10583..10729, 10765..11187, 10775..11170		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.tw	Method	TBLASTX:Wheat
Start	10678	End	11103
GI	none	Score	127
Exons	10678..10761, 10765..11103, 10775..10990		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o1.tm	Method	TBLASTX:Maize
Start	10819	End	15329
GI	none	Score	158
Exons	10819..11190, 10835..11200, 11284..11373, 11302..11373, 11304..11402, 11488..11673, 11530..11667, 12037..12126, 12042..12134, 12043..12135, 15216..15329		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.tc	Method	TBLASTX:Cress
Start	11328	End	11677
GI	none	Score	52
Exons	11328..11402, 11329..11394, 11494..11673, 11512..11628, 11531..11677		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.ts	Method	TBLASTX:Soybean
Start	11367	End	11685
GI	none	Score	86
Exons	11367..11405, 11509..11685, 11531..11683		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o2.tc	Method	TBLASTX:Cress
Start	12019	End	16482
GI	none	Score	163
Exons	12019..12126, 15237..15608, 15238..15495, 15609..15680, 15613..15675, 15799..15873, 16306..16413, 16310..16405, 16447..16482		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o2.ts	Method	TBLASTX:Soybean
Start	15216	End	16446

GI	none	Score	90
Exons	15216..15332, 15226..15336, 15333..15677, 15334..15504, 15793..15873, 15794..15874, 16306..16446, 16310..16423		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o2.tm	Method	TBLASTX:Maize
Start	15330	End	15683
GI	none	Score	120
Exons	15330..15683, 15388..15495, 15598..15675		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.gp	Method	AAT/GAP
Start	15537	End	16004
GI	uC-osflcyp106e10b1	Score	908
Exons	15537..16004		
GI Descrip.	'4490751/emb|CAB38913.1| 3.0e-14 (AL035708) proliferating-cell nucleolar antigen-like protein [Arabidopsis thaliana]'		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.gp	Method	AAT/GAP
Start	17043	End	17114
GI	LIB3477-003-P1-K1-E9	Score	99
Exons	17043..17114		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82526	Strand	+
Start	1886	End	2203
Name	OJ000229_20.0404.C4.o1.gp	Method	AAT/GAP
Start	1886	End	2203
GI	none	Score	604
Exons	1886..2203		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o1.gs	Method	GENSCAN
Start	2034	End	10698
GI	none	Score	.44
Exons	2034..2201, 2224..2747, 2975..3104, 3229..3420, 3545..3673, 3794..3880, 4072..4149, 5499..6008, 6133..6212, 6435..6936, 10546..10698		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o1.np	Method	AAT/NAP
Start	2102	End	7025
GI	4063751	Score	758

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Exons        2102..2747, 3229..3420, 3545..3664, 3758..3880, 5559..6023,
             6133..6212, 6435..6600, 6701..7025
GI Descrip.  (AC005851) putative ABC transporter [Arabidopsis thaliana]

Seq. No.     39905                          Seq. ID  OJ000229_20.0404.C4
Gene No.     82527                          Strand   -
Start        2034                           End      10698
Name         OJ000229_20.0404.C4.o2.tc      Method   TBLASTX:Cress
Start        2114                           End      2753
GI           none                           Score    84
Exons        2114..2266, 2315..2371, 2374..2505, 2426..2506, 2529..2753

Seq. No.     39905                          Seq. ID  OJ000229_20.0404.C4
Gene No.     82527                          Strand   -
Start        2034                           End      10698
Name         OJ000229_20.0404.C4.o1.ts      Method   TBLASTX:Soybean
Start        2156                           End      2753
GI           none                           Score    101
Exons        2156..2317, 2157..2318, 2291..2374, 2337..2375, 2366..2506,
             2374..2505, 2518..2736, 2529..2753

Seq. No.     39905                          Seq. ID  OJ000229_20.0404.C4
Gene No.     82527                          Strand   -
Start        2034                           End      10698
Name         OJ000229_20.0404.C4.o1.tw      Method   TBLASTX:Wheat
Start        2312                           End      2678
GI           none                           Score    91
Exons        2312..2371, 2386..2505, 2393..2506, 2529..2678

Seq. No.     39905                          Seq. ID  OJ000229_20.0404.C4
Gene No.     82527                          Strand   -
Start        2034                           End      10698
Name         OJ000229_20.0404.C4.o2.tm      Method   TBLASTX:Maize
Start        2386                           End      3426
GI           none                           Score    59
Exons        2386..2505, 2402..2506, 2529..2753, 2611..2736, 2969..3073,
             2973..3077, 3215..3385, 3223..3426, 3292..3387

Seq. No.     39905                          Seq. ID  OJ000229_20.0404.C4
Gene No.     82527                          Strand   -
Start        2034                           End      10698
Name         OJ000229_20.0404.C4.o3.tc      Method   TBLASTX:Cress
Start        2969                           End      3388
GI           none                           Score    83
Exons        2969..3073, 2973..3062, 3209..3388, 3209..3376, 3223..3387

Seq. No.     39905                          Seq. ID  OJ000229_20.0404.C4
Gene No.     82527                          Strand   -
Start        2034                           End      10698
Name         OJ000229_20.0404.C4.o3.ts      Method   TBLASTX:Soybean
Start        3223                           End      3405
GI           none                           Score    63
Exons        3223..3405, 3286..3351, 3287..3385

Seq. No.     39905                          Seq. ID  OJ000229_20.0404.C4
Gene No.     82527                          Strand   -
Start        2034                           End      10698
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Name	OJ000229_20.0404.C4.o1.tc	Method	TBLASTX:Cress
Start	3773	End	6630
GI	none	Score	163
Exons	3773..3907, 5553..5951, 5581..5838, 5952..6023, 5956..6018, 6139..6213, 6413..6526, 6415..6534, 6568..6630		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o1.tm	Method	TBLASTX:Maize
Start	3791	End	6027
GI	none	Score	195
Exons	3791..3931, 5553..6026, 5569..5838, 5941..6027		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o2.ts	Method	TBLASTX:Soybean
Start	5559	End	6544
GI	none	Score	90
Exons	5559..5675, 5569..5679, 5676..6020, 5677..5847, 6133..6213, 6134..6220, 6415..6534, 6431..6544		

Seq. No.	39906	Seq. ID	OJ000229_20.0404.C5
Gene No.	82528	Strand	-
Start	1126	End	2476
Name	OJ000229_20.0404.C5.o1.np	Method	AAT/NAP
Start	589	End	688
GI	5852084	Score	75
Exons	589..688		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	39906	Seq. ID	OJ000229_20.0404.C5
Gene No.	82528	Strand	-
Start	1126	End	2476
Name	OJ000229_20.0404.C5.o1.gs	Method	GENSCAN
Start	1126	End	2476
GI	none	Score	.82
Exons	1126..1286, 1617..1651, 2337..2476		

Seq. No.	39907	Seq. ID	OJ000229_20.0404.C6
Gene No.	82529	Strand	-
Start	867	End	1010
Name	OJ000229_20.0404.C6.o1.gs	Method	GENSCAN
Start	867	End	1010
GI	none	Score	.44
Exons	867..1010		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.np	Method	AAT/NAP
Start	1	End	1333
GI	4544451	Score	555
Exons	1..220, 321..876, 963..1188, 1285..1333		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.gp	Method	AAT/GAP
Start	1	End	144
GI	2798447	Score	260
Exons	1..144		
GI Descrip.	4490751/emb|CAB38913.1| 3.0e-14 (AL035708) proliferating-cell nucleolar antigen-like protein [Arabidopsis thaliana]		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	196
GI	5057841	Score	84
Exons	2..196, 5..193, 6..194		
GI Descrip.	4544451/gb_AAD22359.1_AC006592_16 8.0e-34 (AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.gs	Method	GENSCAN
Start	19	End	1293
GI	none	Score	.72
Exons	19..220, 321..844, 963..1293		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.tm	Method	TBLASTX:Maize
Start	481	End	1110
GI	none	Score	95
Exons	481..552, 482..550, 483..551, 528..584, 541..585, 575..790, 576..842, 580..858, 948..1100, 958..1101, 958..1110		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82531	Strand	+
Start	7161	End	17404
Name	OJ000229_20.0404.C8.o2.gs	Method	GENSCAN
Start	7161	End	17404
GI	none	Score	.57
Exons	7161..7382, 7434..7630, 8005..8134, 8205..8410, 8815..9081, 9095..9200, 9289..9322, 11855..12286, 12379..12540, 13027..14047, 14606..14764, 15173..15267, 15342..15494, 16032..16309, 16456..16646, 17260..17404		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82531	Strand	+
Start	7161	End	17404
Name	OJ000229_20.0404.C8.o2.np	Method	AAT/NAP
Start	10160	End	14048
GI	5803260	Score	966
Exons	10160..10187, 11899..12291, 12369..12460, 12887..14048		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82532	Strand	+
Start	20151	End	21433
Name	OJ000229_20.0404.C8.o3.gs	Method	GENSCAN
Start	20151	End	21433
GI	none	Score	.89
Exons	20151..20603, 21389..21433		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82533	Strand	-
Start	1	End	6352
Name	OJ000229_20.0404.C8.o1.np	Method	AAT/NAP
Start	1	End	3372
GI	4544451	Score	813
Exons	1..270, 380..465, 889..937, 1051..1117, 1651..1766, 1853..1919, 2713..2801, 3169..3372		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82533	Strand	-
Start	1	End	6352
Name	OJ000229_20.0404.C8.o1.gs	Method	GENSCAN
Start	17	End	6352
GI	none	Score	.62
Exons	17..270, 1051..1117, 1651..1766, 1853..1919, 2713..2801, 3169..3596, 3964..4063, 4868..4992, 6061..6352		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82533	Strand	-
Start	1	End	6352
Name	OJ000229_20.0404.C8.o1.gp	Method	AAT/GAP
Start	32	End	1122
GI	2428542	Score	814
Exons	32..270, 380..465, 889..937, 1051..1122		
GI Descrip.	4544451/gb|AAD22359.1|AC006592_16 7.0e-55 (AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o3.tm	Method	TBLASTX:Maize
Start	14	End	187
GI	none	Score	254
Exons	14..187, 16..186		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o2.ts	Method	TBLASTX:Soybean
Start	208	End	1912
GI	none	Score	58
Exons	208..270, 209..271, 377..466, 390..464, 890..937, 1033..1128, 1049..1111, 1611..1790, 1624..1743, 1650..1769, 1850..1912		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584

Name	OJ000229_20.0404.C8.o2.tm	Method	TBLASTX:Maize
Start	398	End	2783
GI	none	Score	87
Exons	398..460, 399..461, 888..938, 890..937, 892..939, 1033..1128, 1050..1118, 1051..1119, 1611..1778, 1612..1743, 1653..1775, 1849..1920, 1850..1924, 1851..1922, 2733..2783		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o4.tm	Method	TBLASTX:Maize
Start	5663	End	5960
GI	none	Score	65
Exons	5663..5959, 5691..5828, 5750..5959, 5853..5960		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	8856	End	20357
GI	none	Score	70
Exons	8856..8915, 11848..11952, 12001..12057, 12103..12147, 12211..12285, 13028..13159, 13029..13346, 13029..13253, 13202..13330, 13299..13343, 13373..13900, 13374..13901, 20262..20357		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	12942	End	13931
GI	none	Score	54
Exons	12942..13019, 13038..13340, 13040..13336, 13370..13927, 13371..13931		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o1.ts	Method	TBLASTX:Soybean
Start	12963	End	13745
GI	none	Score	49
Exons	12963..13019, 13038..13169, 13055..13180, 13197..13349, 13199..13342, 13358..13666, 13374..13745		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o2.tw	Method	TBLASTX:Wheat
Start	13052	End	13289
GI	none	Score	222
Exons	13052..13288, 13056..13289		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o1.tw	Method	TBLASTX:Wheat
Start	13289	End	13667

GI	none	Score	214
Exons	13289..13330, 13290..13547, 13427..13540, 13553..13666, 13554..13667		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o2.gp	Method	AAT/GAP
Start	22107	End	22584
GI	38782_1.R1084	Score	673
Exons	22107..22145, 22200..22584		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o4.gs	Method	GENSCAN
Start	22463	End	22536
GI	none	Score	1
Exons	22463..22536		

Seq. No.	39910	Seq. ID	OJ000229_20.0404.C9
Gene No.	82535	Strand	+
Start	1283	End	2027
Name	OJ000229_20.0404.C9.o1.np	Method	AAT/NAP
Start	1283	End	2027
GI	6907086	Score	874
Exons	1283..2027		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39910	Seq. ID	OJ000229_20.0404.C9
Gene No.	82535	Strand	+
Start	1283	End	2027
Name	OJ000229_20.0404.C9.o1.gs	Method	GENSCAN
Start	1466	End	1969
GI	none	Score	1
Exons	1466..1969		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82536	Strand	+
Start	1	End	448
Name	OJ000229_20.0404.C10.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6983857	Score	225
Exons	1..448		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82537	Strand	+
Start	2106	End	4081
Name	OJ000229_20.0404.C10.o2.np	Method	AAT/NAP
Start	2106	End	4081
GI	4966347	Score	766
Exons	2106..2168, 2249..2356, 2887..4081		
GI Descrip.	(AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o3.np	Method	AAT/NAP
Start	12112	End	22876
GI	3549626	Score	1024
Exons	12112..12550, 12750..13190, 13291..13455, 21705..22876		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o2.gs	Method	GENSCAN
Start	12121	End	30059
GI	none	Score	.5
Exons	12121..12546, 12755..13190, 13291..13455, 13619..14344, 14376..14582, 16813..16997, 17255..17393, 20295..20476, 20537..20677, 20783..20810, 20822..20999, 21037..21278, 21458..21538, 21705..22031, 22194..22729, 24339..25166, 25497..25589, 25966..26538, 28092..28452, 28540..28686, 28957..30059		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o1.gp	Method	AAT/GAP
Start	21395	End	22168
GI	87053_1.R1084	Score	1133
Exons	21395..21538, 21705..22168		
GI Descrip.	'4826399/emb|CAB42872.1| 3.0e-22 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o2.gp	Method	AAT/GAP
Start	22409	End	23047
GI	3768316	Score	1155
Exons	22409..23047		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o4.np	Method	AAT/NAP
Start	26477	End	30056
GI	3549626	Score	993
Exons	26477..26547, 28014..28452, 28540..28686, 28897..30056		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82539	Strand	+
Start	31165	End	31893
Name	OJ000229_20.0404.C10.o3.gs	Method	GENSCAN
Start	31165	End	31893
GI	none	Score	.7
Exons	31165..31337, 31779..31893		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82540	Strand	+
Start	37477	End	37959
Name	OJ000229_20.0404.C10.o5.gs	Method	GENSCAN
Start	37477	End	37959
GI	none	Score	.93
Exons	37477..37959		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82541	Strand	-
Start	29721	End	30343
Name	OJ000229_20.0404.C10.o3.gp	Method	AAT/GAP
Start	29721	End	30343
GI	none	Score	1134
Exons	29721..30343		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o1.tc	Method	TBLASTX:Cress
Start	1985	End	37662
GI	none	Score	61
Exons	1985..2080, 2105..2167, 2883..3020, 3038..3328, 3045..3911, 3408..3650, 3431..3718, 12980..13099, 13094..13195, 13615..13755, 13780..14085, 13941..14060, 14113..14382, 14113..14328, 14160..14381, 14384..14632, 21059..21178, 21173..21259, 21704..21841, 21866..22171, 21967..22146, 22199..22723, 22238..22486, 22246..22560, 27960..28043, 28059..28109, 28272..28361, 28356..28451, 28896..29036, 29039..29107, 29046..29348, 29046..29318, 29210..29329, 29381..29698, 29382..29909, 37597..37662		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o1.tm	Method	TBLASTX:Maize
Start	2949	End	29930
GI	none	Score	58
Exons	2949..3032, 2999..3313, 3045..3347, 3048..3350, 3381..3932, 3390..3662, 3431..3688, 13681..13773, 13753..14079, 13875..14060, 14110..14382, 14160..14381, 14384..14665, 14545..14658, 21767..21859, 21769..21816, 21839..22165, 21866..22144, 21961..22146, 22196..22756, 22246..22500, 28959..29030, 28967..29008, 29046..29348, 29048..29104, 29058..29324, 29144..29329, 29378..29722, 29379..29930		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o1.ts	Method	TBLASTX:Soybean
Start	2970	End	29753
GI	none	Score	46
Exons	2970..3026, 3045..3176, 3107..3187, 3197..3319, 3198..3755, 3431..3688, 13702..13764, 13780..13908, 13936..14088, 13938..14060, 14113..14382, 14160..14381, 14384..14479, 21788..21850, 21866..21994, 22022..22174, 22024..22146,		

22199..22570, 22246..22497, 22385..22501, 28980..29030, 29010..29183, 29205..29348, 29378..29686, 29382..29753

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o2.tw	Method	TBLASTX:Wheat
Start	3044	End	29348
GI	none	Score	227
Exons	3044..3295, 3063..3347, 13761..13826, 13795..14028, 13811..13867, 13881..14027, 21847..21912, 21881..22114, 21897..21953, 21982..22113, 29045..29092, 29064..29348, 29159..29296		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o1.tw	Method	TBLASTX:Wheat
Start	3297	End	29693
GI	none	Score	46
Exons	3297..3332, 3384..3557, 3437..3553, 3563..3688, 3564..3695, 14028..14060, 14029..14274, 14166..14270, 14292..14381, 14293..14382, 22114..22146, 22115..22372, 22252..22389, 22378..22491, 22379..22492, 29297..29329, 29298..29333, 29370..29555, 29435..29548, 29561..29686, 29562..29693		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o2.tm	Method	TBLASTX:Maize
Start	16981	End	17386
GI	none	Score	35
Exons	16981..17004, 16991..17101, 16998..17102, 17001..17186, 17067..17204, 17103..17144, 17116..17148, 17196..17240, 17196..17318, 17204..17248, 17264..17290, 17284..17319, 17353..17385, 17357..17386		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o4.gs	Method	GENSCAN
Start	33241	End	35680
GI	none	Score	.53
Exons	33241..33351, 35639..35680		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82543	Strand	+
Start	543	End	2952
Name	OJ000229_20.0404.C11.o1.np	Method	AAT/NAP
Start	543	End	2949
GI	5803260	Score	901
Exons	543..874, 962..1047, 1785..2949		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82543	Strand	+
Start	543	End	2952

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Name      OJ000229_20.0404.C11.o1.gs    Method   GENSCAN
Start     713                           End      2952
GI        none                          Score    .68
Exons     713..863, 966..1124, 1466..1531, 1550..2952

Seq. No.  39912                         Seq. ID  OJ000229_20.0404.C11
Gene No.  82544                         Strand   -
Start     5036                          End      5346
Name      OJ000229_20.0404.C11.o1.tc    Method   TBLASTX:Cress
Start     791                           End      2922
GI        none                          Score    96
Exons     791..868, 965..994, 1004..1057, 1927..2244, 1935..2030,
          2100..2219, 2128..2226, 2257..2799, 2265..2579, 2338..2589,
          2809..2922

Seq. No.  39912                         Seq. ID  OJ000229_20.0404.C11
Gene No.  82544                         Strand   -
Start     5036                          End      5346
Name      OJ000229_20.0404.C11.o1.tm    Method   TBLASTX:Maize
Start     1840                          End      2829
GI        none                          Score    68
Exons     1840..1932, 1936..2238, 1938..2219, 2268..2660, 2269..2829,
          2706..2816

Seq. No.  39912                         Seq. ID  OJ000229_20.0404.C11
Gene No.  82544                         Strand   -
Start     5036                          End      5346
Name      OJ000229_20.0404.C11.o1.ts    Method   TBLASTX:Soybean
Start     1861                          End      2643
GI        none                          Score    48
Exons     1861..1917, 1935..2030, 1936..2067, 2095..2247, 2097..2240,
          2242..2643, 2265..2570

Seq. No.  39912                         Seq. ID  OJ000229_20.0404.C11
Gene No.  82544                         Strand   -
Start     5036                          End      5346
Name      OJ000229_20.0404.C11.o2.tw    Method   TBLASTX:Wheat
Start     1935                          End      2187
GI        none                          Score    215
Exons     1935..2186, 1954..2187

Seq. No.  39912                         Seq. ID  OJ000229_20.0404.C11
Gene No.  82544                         Strand   -
Start     5036                          End      5346
Name      OJ000229_20.0404.C11.o1.tw    Method   TBLASTX:Wheat
Start     2187                          End      2565
GI        none                          Score    217
Exons     2187..2219, 2188..2445, 2262..2438, 2451..2564, 2452..2565

Seq. No.  39912                         Seq. ID  OJ000229_20.0404.C11
Gene No.  82544                         Strand   -
Start     5036                          End      5346
Name      OJ000229_20.0404.C11.o2.gs    Method   GENSCAN
Start     5036                          End      5346
GI        none                          Score    .44
Exons     5036..5346
```

Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82545	Strand	+
Start	3591	End	4863
Name	OJ000229_20.0404.C12.o2.np	Method	AAT/NAP
Start	3591	End	4863
GI	7523512	Score	175
Exons	3591..3618, 4736..4863		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o1.gp	Method	AAT/GAP
Start	1	End	81
GI	uC-osflcyp172a09a1	Score	149
Exons	1..81		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o1.np	Method	AAT/NAP
Start	1	End	4416
GI	5042454	Score	3849
Exons	1..123, 798..1397, 2031..3736, 3793..3899, 4266..4416		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o1.gs	Method	GENSCAN
Start	581	End	5244
GI	none	Score	.4
Exons	581..1397, 1712..1855, 2031..2307, 2633..3491, 3581..3763, 4270..4359, 4459..4530, 5103..5244		

Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o2.tm	Method	TBLASTX:Maize
Start	2030	End	2173
GI	none	Score	126
Exons	2030..2173, 2034..2168		

Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o1.tw	Method	TBLASTX:Wheat
Start	2673	End	3225
GI	none	Score	95
Exons	2673..2930, 2707..2946, 2913..3011, 2914..3006, 3018..3065, 3190..3225		

Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244

Name	OJ000229_20.0404.C12.o1.tm	Method	TBLASTX:Maize
Start	2775	End	3060
GI	none	Score	94
Exons	2775..3023, 2776..3060		

Seq. No.	39914	Seq. ID	OJ000229_20.0404.C15
Gene No.	82547	Strand	+
Start	1	End	599
Name	OJ000229_20.0404.C15.o1.np	Method	AAT/NAP
Start	1	End	599
GI	4544451	Score	181
Exons	1..22, 135..224, 503..599		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	39914	Seq. ID	OJ000229_20.0404.C15
Gene No.	82547	Strand	+
Start	1	End	599
Name	OJ000229_20.0404.C15.o1.gs	Method	GENSCAN
Start	139	End	595
GI	none	Score	.64
Exons	139..224, 503..595		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82548	Strand	+
Start	2670	End	3695
Name	OJ000209_19.0412.C1.o2.gs	Method	GENSCAN
Start	2670	End	3695
GI	none	Score	.76
Exons	2670..2771, 3020..3119, 3274..3342, 3448..3695		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.np	Method	AAT/NAP
Start	263	End	7920
GI	7428718	Score	237
Exons	263..467, 585..726, 7888..7920		
GI Descrip.	probable kinesin - Arabidopsis thaliana gi|2244771|emb|CAB10194.1| (Z97335) kinesin like protein [Arabidopsis thaliana] gi|7268120|emb|CAB78457.1| (AL161538) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.gp	Method	AAT/GAP
Start	365	End	1803
GI	25426_1.R1084	Score	998
Exons	365..467, 585..766, 1543..1803		
GI Descrip.	'2244771/emb|CAB10194.1| 2.0e-36 (Z97335) kinesin like protein [Arabidopsis thaliana]'		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o3.tm	Method	TBLASTX:Maize
Start	365	End	685

GI	none	Score	133
Exons	365..493, 365..469, 367..489, 585..680, 585..680, 586..681, 587..682, 587..685		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o3.ts	Method	TBLASTX:Soybean
Start	386	End	677
GI	none	Score	78
Exons	386..469, 585..677, 587..676		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o2.tm	Method	TBLASTX:Maize
Start	3450	End	5404
GI	none	Score	196
Exons	3450..3536, 3536..3724, 3537..3725, 3543..3725, 3544..3726, 3640..3729, 4317..4568, 4318..4569, 4319..4570, 4320..4571, 5238..5345, 5239..5346, 5240..5347, 5260..5346, 5348..5404		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o2.np	Method	AAT/NAP
Start	3462	End	7920
GI	6682247	Score	1192
Exons	3462..3722, 4319..4570, 5240..5457, 6348..6587, 6678..6869, 7658..7920		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o2.ts	Method	TBLASTX:Soybean
Start	3546	End	3726
GI	none	Score	176
Exons	3546..3725, 3547..3726		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.tw	Method	TBLASTX:Wheat
Start	3603	End	4570
GI	none	Score	145
Exons	3603..3725, 3603..3725, 3604..3726, 3632..3730, 3640..3729, 4317..4565, 4318..4566, 4319..4570, 4320..4568		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.tc	Method	TBLASTX:Cress
Start	4412	End	6738
GI	none	Score	105
Exons	4412..4549, 4416..4520, 5240..5458, 5241..5363, 5258..5449, 5421..5480, 6346..6591, 6347..6601, 6679..6738, 6680..6736		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o3.gs	Method	GENSCAN
Start	4641	End	7865
GI	none	Score	.74
Exons	4641..4793, 5240..5457, 6348..6587, 6678..6869, 7658..7865		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o2.tw	Method	TBLASTX:Wheat
Start	6346	End	6807
GI	none	Score	91
Exons	6346..6576, 6347..6571, 6685..6807		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.tm	Method	TBLASTX:Maize
Start	6397	End	6846
GI	none	Score	230
Exons	6397..6588, 6398..6589, 6398..6589, 6674..6814, 6676..6840, 6676..6846		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.ts	Method	TBLASTX:Soybean
Start	6451	End	6808
GI	none	Score	129
Exons	6451..6591, 6458..6592, 6676..6807, 6677..6808		

Seq. No.	39916	Seq. ID	OJ000209_19.0412.C2
Gene No.	82550	Strand	+
Start	923	End	5047
Name	OJ000209_19.0412.C2.o1.gs	Method	GENSCAN
Start	923	End	5047
GI	none	Score	.46
Exons	923..1211, 1986..2174, 2253..2405, 2579..2613, 4846..5047		

Seq. No.	39916	Seq. ID	OJ000209_19.0412.C2
Gene No.	82551	Strand	-
Start	5353	End	9502
Name	OJ000209_19.0412.C2.o2.gs	Method	GENSCAN
Start	5353	End	9502
GI	none	Score	.6
Exons	5353..5455, 5789..5868, 6823..7010, 7067..7116, 7572..7806, 9448..9502		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82552	Strand	+
Start	50	End	833
Name	OJ000209_19.0412.C3.o1.gs	Method	GENSCAN
Start	50	End	833
GI	none	Score	.73

Exons 50..132, 376..493, 726..833

Seq. No. 39917 Seq. ID OJ000209_19.0412.C3
Gene No. 82553 Strand +
Start 4417 End 6439
Name OJ000209_19.0412.C3.o3.gs Method GENSCAN
Start 4417 End 6439
GI none Score .87
Exons 4417..4542, 4618..4650, 5107..5165, 5264..5439, 6357..6439

Seq. No. 39917 Seq. ID OJ000209_19.0412.C3
Gene No. 82553 Strand +
Start 4417 End 6439
Name OJ000209_19.0412.C3.o2.np Method AAT/NAP
Start 4429 End 6403
GI 1532175 Score 381
Exons 4429..4542, 5107..5165, 5264..5439, 6357..6403
GI Descrip. (U63815) similar to protein disulfide isomerase [Arabidopsis thaliana]

Seq. No. 39917 Seq. ID OJ000209_19.0412.C3
Gene No. 82554 Strand -
Start 1118 End 2127
Name OJ000209_19.0412.C3.o1.gp Method AAT/GAP
Start 1118 End 2127
GI 14902_1.R1084 Score 1229
Exons 1118..1648, 2015..2127
GI Descrip. '2407286/gb|AF017366|AF017366 2.0e-59 Oryza sativa metallothionein-like protein mRNA, complete cds'

Seq. No. 39917 Seq. ID OJ000209_19.0412.C3
Gene No. 82554 Strand -
Start 1118 End 2127
Name OJ000209_19.0412.C3.o2.gs Method GENSCAN
Start 1483 End 2067
GI none Score .98
Exons 1483..1648, 2015..2067

Seq. No. 39917 Seq. ID OJ000209_19.0412.C3
Gene No. 82554 Strand -
Start 1118 End 2127
Name OJ000209_19.0412.C3.o1.np Method AAT/NAP
Start 1486 End 2067
GI 2407287 Score 319
Exons 1486..1648, 2015..2067
GI Descrip. (AF017366) metallothionein-like protein [Oryza sativa]

Seq. No. 39917 Seq. ID OJ000209_19.0412.C3
Gene No. 82555 Strand -
Start 6344 End 6691
Name OJ000209_19.0412.C3.o2.tm Method TBLASTX:Maize
Start 1364 End 2071
GI none Score 38
Exons 1364..1432, 1483..1563, 1487..1564, 1501..1527, 1573..1653, 1574..1642, 2015..2071

Seq. No. 39917 Seq. ID OJ000209_19.0412.C3

Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o2.tw	Method	TBLASTX:Wheat
Start	1421	End	2086
GI	none	Score	168
Exons	1421..1600, 1477..1599, 1501..1527, 1591..1653, 1600..1653, 2015..2086		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o1.tm	Method	TBLASTX:Maize
Start	4495	End	6430
GI	none	Score	74
Exons	4495..4545, 5106..5165, 5107..5163, 5264..5440, 5265..5441, 6356..6430		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o1.tw	Method	TBLASTX:Wheat
Start	4495	End	5397
GI	none	Score	73
Exons	4495..4545, 5089..5169, 5106..5156, 5106..5171, 5107..5163, 5264..5395, 5265..5396, 5266..5397		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o1.tc	Method	TBLASTX:Cress
Start	4501	End	6418
GI	none	Score	64
Exons	4501..4545, 5106..5165, 5107..5163, 5262..5441, 5264..5326, 5330..5440, 6356..6418		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o1.ts	Method	TBLASTX:Soybean
Start	5106	End	6430
GI	none	Score	115
Exons	5106..5165, 5107..5163, 5262..5441, 5264..5443, 5265..5441, 6356..6430		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o2.gp	Method	AAT/GAP
Start	6344	End	6691
GI	none	Score	603
Exons	6344..6691		

Seq. No.	39918	Seq. ID	OJ000209_19.0412.C4
Gene No.	82556	Strand	+
Start	70	End	913
Name	OJ000209_19.0412.C4.o1.gs	Method	GENSCAN
Start	70	End	913

GI	none	Score	.59
Exons	70..153, 525..659, 824..913		

Seq. No.	39918	Seq. ID	OJ000209_19.0412.C4
Gene No.	82557	Strand	-
Start	268	End	774
Name	OJ000209_19.0412.C4.o1.gp	Method	AAT/GAP
Start	268	End	774
GI	20795_1.R1084	Score	974
Exons	268..774		
GI Descrip.	'4371292/gb|AAD18150| 2.0e-14 (AC006260) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82558	Strand	+
Start	1824	End	2021
Name	OJ000209_19.0412.C5.o1.gp	Method	AAT/GAP
Start	1824	End	2021
GI	LIB3433-016-Q6-K6-C4	Score	310
Exons	1824..2021		
GI Descrip.	'4371292/gb|AAD18150| 1.0e-16 (AC006260) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82559	Strand	-
Start	356	End	2589
Name	OJ000209_19.0412.C5.o1.np	Method	AAT/NAP
Start	356	End	2589
GI	5668771	Score	161
Exons	356..386, 1825..2589		
GI Descrip.	(AC005916) Contains similarity to gb|D88035 glycoprotein specific UDP-glucuronyltransferase from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82559	Strand	-
Start	356	End	2589
Name	OJ000209_19.0412.C5.o2.np	Method	AAT/NAP
Start	1829	End	2450
GI	4371292	Score	239
Exons	1829..2450		
GI Descrip.	(AC006260) unknown protein [Arabidopsis thaliana]		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o1.ts	Method	TBLASTX:Soybean
Start	1827	End	2414
GI	none	Score	79
Exons	1827..1952, 1944..2066, 2314..2412, 2334..2414		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o4.tm	Method	TBLASTX:Maize
Start	1830	End	2141
GI	none	Score	79

Exons	1830..1955, 1945..2139, 1977..2141		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o3.np	Method	AAT/NAP
Start	5558	End	10287
GI	6069646	Score	84
Exons	5558..5973, 6121..6209, 10225..10287		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o2.gp	Method	AAT/GAP
Start	6716	End	6786
GI	72424_1.R1084	Score	81
Exons	6716..6786		
GI Descrip.	'2842493/emb|CAA16890.1| 8.0e-32 (AL021749) predicted protein [Arabidopsis thaliana]'		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o3.gs	Method	GENSCAN
Start	8995	End	15975
GI	none	Score	.87
Exons	8995..9581, 10724..10852, 11650..11839, 12395..13870, 13988..14013, 15153..15201, 15571..15629, 15767..15975		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o1.tm	Method	TBLASTX:Maize
Start	9015	End	11788
GI	none	Score	115
Exons	9015..9140, 9016..9234, 9016..9180, 9224..9529, 9242..9442, 9243..9530, 9244..9492, 11644..11787, 11645..11788, 11654..11788		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o2.tm	Method	TBLASTX:Maize
Start	10643	End	11166
GI	none	Score	99
Exons	10643..10750, 10650..10751, 10653..10751, 10660..10752, 10744..10899, 10750..10896, 10898..11005, 10902..10985, 11036..11089, 11037..11090, 11104..11166		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o4.np	Method	AAT/NAP

Start	12501	End	13870
GI	7485529	Score	78
Exons	12501..12589, 13715..13870		
GI Descrip.	hypothetical protein F16A16.130 - Arabidopsis thaliana gi|4218122|emb|CAA22976.1| (AL035353) putative protein [Arabidopsis thaliana] gi|7269731|emb|CAB81464.1| (AL161573) putative protein [Arabidopsis thaliana]		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o3.tm	Method	TBLASTX:Maize
Start	13593	End	14053
GI	none	Score	37
Exons	13593..13616, 13617..13823, 13619..13840, 13825..13881, 13834..13869, 13986..14009, 14009..14053		

Seq. No.	39920	Seq. ID	OJ000209_19.0412.C6
Gene No.	82561	Strand	-
Start	1659	End	2202
Name	OJ000209_19.0412.C6.o1.gs	Method	GENSCAN
Start	1659	End	2202
GI	none	Score	.54
Exons	1659..1744, 2121..2202		

Seq. No.	39921	Seq. ID	OJ000209_19.0412.C7
Gene No.	82562	Strand	-
Start	885	End	2842
Name	OJ000209_19.0412.C7.o1.gs	Method	GENSCAN
Start	885	End	2842
GI	none	Score	.64
Exons	885..975, 2225..2267, 2686..2842		

Seq. No.	39922	Seq. ID	OJ000209_19.0412.C8
Gene No.	82563	Strand	+
Start	60	End	3055
Name	OJ000209_19.0412.C8.o1.gs	Method	GENSCAN
Start	60	End	3055
GI	none	Score	.58
Exons	60..192, 335..386, 2091..2327, 2437..2640, 2938..3055		

Seq. No.	39922	Seq. ID	OJ000209_19.0412.C8
Gene No.	82564	Strand	-
Start	1	End	2274
Name	OJ000209_19.0412.C8.o1.np	Method	AAT/NAP
Start	1	End	2274
GI	5852093	Score	58
Exons	1..24, 783..866, 2211..2274		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39922	Seq. ID	OJ000209_19.0412.C8
Gene No.	82565	Strand	-
Start	2218	End	2332
Name	OJ000209_19.0412.C8.o1.gp	Method	AAT/GAP
Start	2218	End	2332
GI	none	Score	140
Exons	2218..2332		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82566	Strand	+
Start	129	End	230
Name	OJ000209_19.0412.C9.o1.gs	Method	GENSCAN
Start	129	End	230
GI	none	Score	.8
Exons	129..230		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82567	Strand	+
Start	1534	End	1872
Name	OJ000209_19.0412.C9.o2.gs	Method	GENSCAN
Start	1534	End	1872
GI	none	Score	.86
Exons	1534..1872		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82568	Strand	+
Start	3731	End	8920
Name	OJ000209_19.0412.C9.o3.gs	Method	GENSCAN
Start	3731	End	4895
GI	none	Score	.91
Exons	3731..3745, 4068..4895		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82568	Strand	+
Start	3731	End	8920
Name	OJ000209_19.0412.C9.o1.np	Method	AAT/NAP
Start	4084	End	8670
GI	4510398	Score	413
Exons	4084..4194, 4225..4407, 4503..4709, 6806..6875, 8555..8670		
GI Descrip.	(AC006587) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82568	Strand	+
Start	3731	End	8920
Name	OJ000209_19.0412.C9.o4.gs	Method	GENSCAN
Start	6764	End	7706
GI	none	Score	.78
Exons	6764..6774, 6806..6965, 7485..7706		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82568	Strand	+
Start	3731	End	8920
Name	OJ000209_19.0412.C9.o5.gs	Method	GENSCAN
Start	8521	End	8920
GI	none	Score	.73
Exons	8521..8688, 8792..8920		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82569	Strand	+
Start	9543	End	11391
Name	OJ000209_19.0412.C9.o6.gs	Method	GENSCAN
Start	9543	End	11391
GI	none	Score	.78
Exons	9543..9614, 10794..10983, 11090..11391		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82570	Strand	+
Start	13895	End	17603
Name	OJ000209_19.0412.C9.o8.gs	Method	GENSCAN
Start	13895	End	16509
GI	none	Score	.82
Exons	13895..13984, 14704..14852, 15616..15673, 15725..15934, 16012..16107, 16202..16324, 16339..16509		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82570	Strand	+
Start	13895	End	17603
Name	OJ000209_19.0412.C9.o4.np	Method	AAT/NAP
Start	14546	End	17603
GI	7292924	Score	248
Exons	14546..14593, 14704..14852, 15268..15359, 15594..15673, 15767..15988, 16024..16116, 16208..16324, 17579..17603		
GI Descrip.	(AE003493) rdgB gene product [alt 1] [Drosophila melanogaster] gi|7292925|gb|AAF48316.1| (AE003493) rdgB gene product [alt 2] [Drosophila melanogaster]		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82571	Strand	-
Start	10417	End	10859
Name	OJ000209_19.0412.C9.o2.np	Method	AAT/NAP
Start	10417	End	10859
GI	7242910	Score	99
Exons	10417..10502, 10723..10859		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-
Start	11663	End	12471
Name	OJ000209_19.0412.C9.o1.tc	Method	TBLASTX:Cress
Start	4266	End	4652
GI	none	Score	189
Exons	4266..4397, 4267..4407, 4493..4615, 4497..4652		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-
Start	11663	End	12471
Name	OJ000209_19.0412.C9.o2.tm	Method	TBLASTX:Maize
Start	4266	End	4595
GI	none	Score	204
Exons	4266..4409, 4267..4407, 4488..4589, 4497..4595, 4502..4594		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-
Start	11663	End	12471
Name	OJ000209_19.0412.C9.o1.ts	Method	TBLASTX:Soybean
Start	4312	End	4748
GI	none	Score	156
Exons	4312..4407, 4314..4403, 4315..4407, 4497..4748, 4502..4615		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-

Start	11663	End	12471
Name	OJ000209_19.0412.C9.o3.np	Method	AAT/NAP
Start	11581	End	12124
GI	7363274	Score	174
Exons	11581..11694, 11946..12124		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-
Start	11663	End	12471
Name	OJ000209_19.0412.C9.o7.gs	Method	GENSCAN
Start	11663	End	12471
GI	none	Score	.63
Exons	11663..11730, 12326..12401, 12457..12471		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82573	Strand	
Start	14564	End	16076
Name	OJ000209_19.0412.C9.o4.tm	Method	TBLASTX:Maize
Start	14564	End	16076
GI	none	Score	45
Exons	14564..14593, 14564..14593, 14685..14762, 14686..14805, 14699..14791, 14724..14852, 14797..14865, 14814..14852, 15174..15215, 15260..15358, 15265..15384, 16020..16073, 16023..16076, 16024..16074		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82573	Strand	
Start	14564	End	16076
Name	OJ000209_19.0412.C9.o1.tm	Method	TBLASTX:Maize
Start	15596	End	15936
GI	none	Score	149
Exons	15596..15685, 15601..15696, 15764..15934, 15764..15934, 15775..15936		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82574	Strand	
Start	16196	End	16500
Name	OJ000209_19.0412.C9.o3.tm	Method	TBLASTX:Maize
Start	16196	End	16500
GI	none	Score	218
Exons	16196..16324, 16201..16335, 16202..16324, 16392..16478, 16422..16499, 16435..16500, 16438..16500		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82575	Strand	+
Start	217	End	942
Name	OJ000209_19.0412.C10.o1.gs	Method	GENSCAN
Start	217	End	942
GI	none	Score	.63
Exons	217..307, 843..942		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82576	Strand	+
Start	2938	End	3223
Name	OJ000209_19.0412.C10.o1.np	Method	AAT/NAP

Start	2938	End	3223
GI	3023377	Score	199
Exons	2938..3018, 3143..3223		
GI Descrip.	LOW-TEMPERATURE INDUCED PROTEIN BLT101 (SALT-STRESS INDUCED HYDROPHOBIC PEPTIDE ESI3) gi|629776|pir||S40406 blt101 protein - barley gi|439273|emb|CAA80984| (Z25537) 54 amino acids [Hordeum vulgare] gi|551068|gb|AAA21847.1| (U00966) salt-stress induced hydrophobic peptide [Elytrigia elongata]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82577	Strand	+
Start	10227	End	14063
Name	OJ000209_19.0412.C10.o3.np	Method	AAT/NAP
Start	10227	End	14063
GI	1172704	Score	370
Exons	10227..10281, 11877..12214, 12243..12718, 14039..14063		
GI Descrip.	PEPTIDE TRANSPORTER PTR2-B (HISTIDINE TRANSPORTING PROTEIN) gi|633940 (L39082) transport protein [Arabidopsis thaliana] gi|4406786|gb|AAD20096.1| (AC006532) histidine transport protein (PTR2-B) [Arabidopsis thaliana]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82577	Strand	+
Start	10227	End	14063
Name	OJ000209_19.0412.C10.o4.gs	Method	GENSCAN
Start	11256	End	12883
GI	none	Score	.45
Exons	11256..11258, 11813..12018, 12029..12145, 12147..12707, 12766..12883		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82578	Strand	+
Start	22581	End	24852
Name	OJ000209_19.0412.C10.o6.gs	Method	GENSCAN
Start	22581	End	24852
GI	none	Score	.63
Exons	22581..23109, 23220..23385, 23972..24011, 24188..24395, 24728..24852		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82578	Strand	+
Start	22581	End	24852
Name	OJ000209_19.0412.C10.o4.np	Method	AAT/NAP
Start	22595	End	23406
GI	2462825	Score	312
Exons	22595..22814, 22902..23063, 23302..23406		
GI Descrip.	(AF000657) contains Procite 'RNP1' putative RNA-binding region [Arabidopsis thaliana]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82579	Strand	+
Start	25840	End	26191
Name	OJ000209_19.0412.C10.o7.gs	Method	GENSCAN
Start	25840	End	26191
GI	none	Score	.82
Exons	25840..26014, 26148..26191		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82580	Strand	+
Start	34500	End	34918
Name	OJ000209_19.0412.C10.o3.gp	Method	AAT/GAP
Start	34500	End	34918
GI	none	Score	817
Exons	34500..34918		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82581	Strand	-
Start	6690	End	9714
Name	OJ000209_19.0412.C10.o3.gs	Method	GENSCAN
Start	6690	End	9714
GI	none	Score	.79
Exons	6690..6890, 7019..7219, 7312..7394, 7473..7986, 8068..8211, 8732..8983, 9595..9714		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82581	Strand	-
Start	6690	End	9714
Name	OJ000209_19.0412.C10.o2.np	Method	AAT/NAP
Start	6980	End	9712
GI	6996265	Score	1106
Exons	6980..7212, 7308..7986, 8068..8211, 8732..8983, 9595..9712		
GI Descrip.	(AL138657) putative protein [Arabidopsis thaliana]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o6.tm	Method	TBLASTX:Maize
Start	2928	End	3226
GI	none	Score	132
Exons	2928..3014, 2928..3020, 2929..3021, 2929..3021, 3125..3226, 3131..3220, 3145..3222		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o8.ts	Method	TBLASTX:Soybean
Start	2938	End	3226
GI	none	Score	115
Exons	2938..3021, 2943..3020, 3125..3226, 3145..3216		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o4.tw	Method	TBLASTX:Wheat
Start	2944	End	3237
GI	none	Score	95
Exons	2944..3012, 2949..3014, 3132..3215, 3133..3237, 3134..3235		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o4.ts	Method	TBLASTX:Soybean
Start	7073	End	7540
GI	none	Score	53

Exons	7073..7195, 7098..7184, 7301..7444, 7309..7425, 7435..7539, 7445..7540		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.tm	Method	TBLASTX:Maize
Start	7348	End	8981
GI	none	Score	156
Exons	7348..7599, 7349..7600, 7630..7746, 7640..7747, 7747..7917, 7760..7921, 7927..7986, 8068..8214, 8069..8212, 8729..8980, 8730..8981		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.tw	Method	TBLASTX:Wheat
Start	7358	End	7689
GI	none	Score	182
Exons	7358..7657, 7360..7599, 7630..7689		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.ts	Method	TBLASTX:Soybean
Start	7639	End	8121
GI	none	Score	79
Exons	7639..7749, 7640..7747, 7753..7917, 7754..7909, 7769..7924, 7945..7989, 8071..8121		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o3.tc	Method	TBLASTX:Cress
Start	8128	End	8983
GI	none	Score	115
Exons	8128..8214, 8711..8983, 8717..8941, 8730..8957		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o7.ts	Method	TBLASTX:Soybean
Start	8765	End	8980
GI	none	Score	133
Exons	8765..8980, 8766..8960		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.tc	Method	TBLASTX:Cress
Start	11891	End	12687
GI	none	Score	133
Exons	11891..12040, 12033..12146, 12153..12200, 12273..12332, 12274..12339, 12451..12687		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-

Start	27067	End	30977
Name	OJ000209_19.0412.C10.o5.tm	Method	TBLASTX:Maize
Start	11912	End	12669
GI	none	Score	104
Exons	11912..12040, 11914..12027, 12033..12140, 12161..12205, 12270..12350, 12271..12339, 12451..12669		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o5.ts	Method	TBLASTX:Soybean
Start	11912	End	12690
GI	none	Score	94
Exons	11912..12019, 11926..12021, 12159..12200, 12247..12339, 12270..12344, 12451..12690		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o4.tm	Method	TBLASTX:Maize
Start	22652	End	22834
GI	none	Score	281
Exons	22652..22834, 22653..22832		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o3.ts	Method	TBLASTX:Soybean
Start	22658	End	23000
GI	none	Score	224
Exons	22658..22831, 22659..22847, 22950..23000		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o4.tc	Method	TBLASTX:Cress
Start	22664	End	23006
GI	none	Score	223
Exons	22664..22831, 22665..22838, 22902..23006, 22952..22999		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o3.tw	Method	TBLASTX:Wheat
Start	23973	End	24852
GI	none	Score	66
Exons	23973..24011, 23973..24041, 24130..24174, 24134..24160, 24148..24192, 24149..24187, 24168..24212, 24184..24234, 24205..24252, 24206..24280, 24254..24319, 24280..24318, 24367..24393, 24368..24394, 24796..24825, 24826..24852		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.gp	Method	AAT/GAP
Start	26652	End	28968
GI	2977_1.R1084	Score	1598

Exons	26652..27216, 28523..28751, 28921..28968		
GI Descrip.	'6056196/gb|AAF02813.1|AC009400_9 8.0e-47 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o3.tm	Method	TBLASTX:Maize
Start	26686	End	27219
GI	none	Score	58
Exons	26686..26733, 26689..26724, 26777..26833, 26780..26833, 26782..26835, 26788..26835, 26833..26898, 26836..26892, 26876..26902, 26877..26903, 26909..26944, 26910..26945, 26916..26963, 26917..26946, 26955..27035, 26955..27038, 26965..27039, 27032..27079, 27042..27080, 27042..27080, 27072..27200, 27074..27217, 27074..27217, 27076..27219		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.tw	Method	TBLASTX:Wheat
Start	26777	End	27108
GI	none	Score	155
Exons	26777..26896, 26779..26898, 26779..26895, 26787..26900, 26897..26932, 26898..26927, 26931..27104, 26953..27108, 26954..27106		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o8.gs	Method	GENSCAN
Start	27067	End	30787
GI	none	Score	.89
Exons	27067..27216, 28523..28751, 28921..29024, 30302..30787		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o5.np	Method	AAT/NAP
Start	27073	End	30890
GI	6056196	Score	1034
Exons	27073..27216, 28523..28751, 28921..29024, 30302..30890		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o6.ts	Method	TBLASTX:Soybean
Start	27073	End	28585
GI	none	Score	76
Exons	27073..27207, 27073..27219, 27074..27217, 28520..28585		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o5.tc	Method	TBLASTX:Cress
Start	27073	End	28693

GI	none	Score	177
Exons	27073..27219, 27074..27223, 28520..28693, 28584..28688		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.tm	Method	TBLASTX:Maize
Start	28466	End	30728
GI	none	Score	293
Exons	28466..28750, 28469..28765, 28503..28751, 28582..28767, 28917..29024, 28920..29024, 28921..29025, 30302..30727, 30303..30728		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.ts	Method	TBLASTX:Soybean
Start	28586	End	30728
GI	none	Score	134
Exons	28586..28750, 28595..28750, 28920..29024, 28921..29025, 30302..30727, 30429..30728		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.tc	Method	TBLASTX:Cress
Start	30431	End	30721
GI	none	Score	154
Exons	30431..30721, 30432..30695		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.gp	Method	AAT/GAP
Start	30443	End	30977
GI	40982_1.R1084	Score	986
Exons	30443..30977		
GI Descrip.	'6056196/gb|AAF02813.1|AC009400_9 5.0e-27 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39925	Seq. ID	OJ000209_19.0412.C12
Gene No.	82583	Strand	+
Start	534	End	654
Name	OJ000209_19.0412.C12.o1.gs	Method	GENSCAN
Start	534	End	654
GI	none	Score	.41
Exons	534..654		

Seq. No.	39925	Seq. ID	OJ000209_19.0412.C12
Gene No.	82584	Strand	-
Start	461	End	797
Name	OJ000209_19.0412.C12.o1.tm	Method	TBLASTX:Maize
Start	452	End	669
GI	none	Score	103
Exons	452..532, 453..518, 457..519, 464..523, 560..661, 584..661, 586..666, 586..669		

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Seq. No.      39925                     Seq. ID  OJ000209_19.0412.C12
Gene No.      82584                     Strand   -
Start         461                       End      797
Name          OJ000209_19.0412.C12.o1.np Method   AAT/NAP
Start         461                       End      797
GI            6466946                   Score    98
Exons         461..517, 586..663, 778..797
GI Descrip.   (AC009176) putative P-protein: chorismate mutase, prephenate
              dehydratase [Arabidopsis thaliana]

Seq. No.      39926                     Seq. ID  OJ000209_19.0412.C13
Gene No.      82585                     Strand   +
Start         338                       End      2697
Name          OJ000209_19.0412.C13.o1.gp Method   AAT/GAP
Start         338                       End      2697
GI            152_1.R1084               Score    853
Exons         338..535, 631..805, 900..965, 2322..2381, 2654..2697
GI Descrip.   '1321661/dbj|BAA08264| 1.0e-144 (D45423) ascorbate peroxidase
              [Oryza sativa]'

Seq. No.      39926                     Seq. ID  OJ000209_19.0412.C13
Gene No.      82585                     Strand   +
Start         338                       End      2697
Name          OJ000209_19.0412.C13.o1.tc Method   TBLASTX:Cress
Start         416                       End      977
GI            none                      Score    119
Exons         416..517, 417..512, 631..798, 632..808, 918..977

Seq. No.      39926                     Seq. ID  OJ000209_19.0412.C13
Gene No.      82585                     Strand   +
Start         338                       End      2697
Name          OJ000209_19.0412.C13.o1.tm Method   TBLASTX:Maize
Start         416                       End      2372
GI            none                      Score    144
Exons         416..517, 417..512, 473..526, 492..536, 625..807, 628..699,
              632..844, 886..975, 891..965, 2302..2370, 2319..2372

Seq. No.      39926                     Seq. ID  OJ000209_19.0412.C13
Gene No.      82585                     Strand   +
Start         338                       End      2697
Name          OJ000209_19.0412.C13.o1.tw Method   TBLASTX:Wheat
Start         416                       End      807
GI            none                      Score    148
Exons         416..517, 417..512, 473..526, 492..536, 625..807, 628..696,
              632..805

Seq. No.      39926                     Seq. ID  OJ000209_19.0412.C13
Gene No.      82585                     Strand   +
Start         338                       End      2697
Name          OJ000209_19.0412.C13.o1.gs Method   GENSCAN
Start         417                       End      2370
GI            none                      Score    .7
Exons         417..535, 631..805, 900..965, 2322..2370

Seq. No.      39926                     Seq. ID  OJ000209_19.0412.C13
Gene No.      82585                     Strand   +
Start         338                       End      2697
```

Name OJ000209_19.0412.C13.o1.ts Method TBLASTX:Soybean
Start 417 End 748
GI none Score 117
Exons 417..512, 428..517, 625..744, 632..748

Seq. No. 39926 Seq. ID OJ000209_19.0412.C13
Gene No. 82585 Strand +
Start 338 End 2697
Name OJ000209_19.0412.C13.o1.np Method AAT/NAP
Start 417 End 2372
GI 7489542 Score 586
Exons 417..535, 631..805, 900..965, 2322..2372
GI Descrip. probable L-ascorbate peroxidase (EC 1.11.1.11) - rice gi|1321661|dbj|BAA08264.1| (D45423) ascorbate peroxidase [Oryza sativa]

Seq. No. 39927 Seq. ID OJ000209_19.0412.C14
Gene No. 82586 Strand +
Start 1 End 1030
Name OJ000209_19.0412.C14.o1.gp Method AAT/GAP
Start 1 End 1030
GI 152_1.R1084 Score 1164
Exons 1..66, 153..232, 328..430, 548..606, 693..1030
GI Descrip. '1321661/dbj|BAA08264| 1.0e-144 (D45423) ascorbate peroxidase [Oryza sativa]'

Seq. No. 39927 Seq. ID OJ000209_19.0412.C14
Gene No. 82586 Strand +
Start 1 End 1030
Name OJ000209_19.0412.C14.o1.gs Method GENSCAN
Start 16 End 708
GI none Score .91
Exons 16..66, 153..232, 328..430, 548..606, 693..708

Seq. No. 39927 Seq. ID OJ000209_19.0412.C14
Gene No. 82587 Strand -
Start 2204 End 9533
Name OJ000209_19.0412.C14.o3.ts Method TBLASTX:Soybean
Start 1 End 604
GI none Score 39
Exons 1..30, 18..62, 19..72, 162..230, 164..232, 347..430, 548..604

Seq. No. 39927 Seq. ID OJ000209_19.0412.C14
Gene No. 82587 Strand -
Start 2204 End 9533
Name OJ000209_19.0412.C14.o2.tc Method TBLASTX:Cress
Start 1 End 607
GI none Score 89
Exons 1..66, 3..65, 12..68, 152..232, 153..230, 154..234, 309..428, 314..430, 332..427, 548..607

Seq. No. 39927 Seq. ID OJ000209_19.0412.C14
Gene No. 82587 Strand -
Start 2204 End 9533
Name OJ000209_19.0412.C14.o3.tm Method TBLASTX:Maize
Start 1 End 609
GI none Score 105

```
Exons        1..66, 3..71, 12..68, 152..232, 153..230, 154..234, 314..430,
             315..431, 327..428, 492..608, 537..608, 538..609

Seq. No.     39927                            Seq. ID   OJ000209_19.0412.C14
Gene No.     82587                            Strand    -
Start        2204                             End       9533
Name         OJ000209_19.0412.C14.o2.tw       Method    TBLASTX:Wheat
Start        1                                End       4823
GI           none                             Score     100
Exons        1..66, 12..68, 14..67, 15..71, 88..231, 151..231, 152..232,
             153..233, 329..430, 329..427, 537..605, 537..620, 548..607,
             4770..4823

Seq. No.     39927                            Seq. ID   OJ000209_19.0412.C14
Gene No.     82587                            Strand    -
Start        2204                             End       9533
Name         OJ000209_19.0412.C14.o2.gp       Method    AAT/GAP
Start        1993                             End       3218
GI           70162_1.R1084                    Score     1124
Exons        1993..2376, 2907..3090, 3175..3218
GI Descrip.  '3396052 3.0e-65 (AF079318) MAP kinase homolog [Triticum
             aestivum]'

Seq. No.     39927                            Seq. ID   OJ000209_19.0412.C14
Gene No.     82587                            Strand    -
Start        2204                             End       9533
Name         OJ000209_19.0412.C14.o1.tm       Method    TBLASTX:Maize
Start        2071                             End       3468
GI           none                             Score     53
Exons        2071..2133, 2071..2142, 2195..2377, 2205..2342, 2309..2380,
             2891..3091, 2907..2954, 2908..3093, 2908..3093, 3170..3466,
             3170..3235, 3172..3468

Seq. No.     39927                            Seq. ID   OJ000209_19.0412.C14
Gene No.     82587                            Strand    -
Start        2204                             End       9533
Name         OJ000209_19.0412.C14.o2.gs       Method    GENSCAN
Start        2204                             End       9498
GI           none                             Score     .74
Exons        2204..2376, 2907..3507, 3639..3776, 3891..4020, 4335..4508,
             4787..4927, 5042..5175, 5331..5464, 7357..7520, 7577..7757,
             7890..7985, 8130..8286, 8424..8519, 8638..8751, 8895..8958,
             9389..9498

Seq. No.     39927                            Seq. ID   OJ000209_19.0412.C14
Gene No.     82587                            Strand    -
Start        2204                             End       9533
Name         OJ000209_19.0412.C14.o1.np       Method    AAT/NAP
Start        2207                             End       4486
GI           1362151                          Score     1684
Exons        2207..2376, 2907..3090, 3175..3507, 3639..3776, 3891..4020,
             4335..4486
GI Descrip.  mitogen-activated protein kinase 1 homolog (clone Aspk9) - oat
             gi|871984|emb|CAA56314.1| (X79993) MAP KINASE [Avena sativa]

Seq. No.     39927                            Seq. ID   OJ000209_19.0412.C14
Gene No.     82587                            Strand    -
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Start	2204	End	9533
Name	OJ000209_19.0412.C14.o4.tw	Method	TBLASTX:Wheat
Start	2216	End	2983
GI	none	Score	82
Exons	2216..2425, 2220..2342, 2908..2979, 2909..2983		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o1.tc	Method	TBLASTX:Cress
Start	2219	End	4480
GI	none	Score	91
Exons	2219..2377, 2220..2345, 2908..3093, 2909..3085, 3172..3510, 3176..3508, 3639..3788, 3643..3672, 3721..3777, 3886..4020, 3888..4031, 4335..4442, 4337..4480		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o1.ts	Method	TBLASTX:Soybean
Start	2219	End	4472
GI	none	Score	96
Exons	2219..2377, 2220..2342, 2908..3093, 2909..3085, 3172..3510, 3173..3508, 3639..3704, 3639..3788, 3721..3774, 3886..4020, 3888..4031, 3933..4022, 4335..4418, 4337..4471, 4437..4472		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o1.tw	Method	TBLASTX:Wheat
Start	3205	End	3689
GI	none	Score	224
Exons	3205..3510, 3206..3508, 3639..3689		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o3.gp	Method	AAT/GAP
Start	3461	End	4744
GI	69366_1.R1084	Score	1367
Exons	3461..3507, 3639..3776, 3891..4020, 4335..4744		
GI Descrip.	'1362151/pir||S56638 1.0e-77 mitogen-activated protein kinase 1 homolog (clone Aspk9) - oat >gi_871984_emb_CAA56314_ (X79993) MAP KINASE [Avena sativa]'		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.tm	Method	TBLASTX:Maize
Start	3469	End	4486
GI	none	Score	76
Exons	3469..3510, 3470..3508, 3471..3530, 3635..3691, 3639..3707, 3639..3788, 3640..3777, 3886..4020, 3888..4031, 3933..4022, 4335..4475, 4337..4486		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-

Start	2204	End	9533
Name	OJ000209_19.0412.C14.o3.tw	Method	TBLASTX:Wheat
Start	3690	End	4441
GI	none	Score	110
Exons	3690..3788, 3871..3963, 3888..4031, 3892..4020, 4329..4418, 4337..4441, 4337..4441		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o4.gp	Method	AAT/GAP
Start	7042	End	8117
GI	none	Score	1638
Exons	7042..7757, 7890..7985, 8087..8117		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.np	Method	AAT/NAP
Start	7379	End	9495
GI	6729501	Score	569
Exons	7379..7696, 7895..7991, 8087..8286, 8436..8618, 9389..9495		
GI Descrip.	(AL132966) splicing factor-like protein [Arabidopsis thaliana]		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o4.tm	Method	TBLASTX:Maize
Start	7414	End	9517
GI	none	Score	42
Exons	7414..7488, 7440..7460, 7476..7514, 7481..7573, 7499..7555, 7504..7554, 7538..7585, 7538..7576, 7591..7641, 7656..7706, 7660..7707, 7663..7716, 7699..7740, 7719..7748, 7951..8001, 7952..8002, 8086..8268, 8087..8269, 8100..8276, 8157..8276, 8421..8519, 8422..8520, 8633..8680, 8638..8679, 9388..9498, 9389..9517		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.ts	Method	TBLASTX:Soybean
Start	8087	End	9533
GI	none	Score	238
Exons	8087..8299, 8089..8298, 8408..8464, 8424..8531, 8425..8532, 8638..8679, 9388..9495, 9389..9496, 9390..9533, 9390..9500		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o3.tc	Method	TBLASTX:Cress
Start	8096	End	9518
GI	none	Score	244
Exons	8096..8353, 8098..8322, 8424..8519, 8425..8520, 8441..8533, 8633..8680, 8638..8679, 9388..9495, 9389..9496, 9450..9518		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-

Start	2204	End	9533
Name	OJ000209_19.0412.C14.o5.gp	Method	AAT/GAP
Start	8151	End	9504
GI	3851_3.R1084	Score	622
Exons	8151..8286, 8424..8519, 8637..8677, 9389..9504		
GI Descrip.	'4056488 2.0e-20 (AC005896) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82588	Strand	+
Start	192	End	1358
Name	OJ000209_19.0412.C15.o1.gs	Method	GENSCAN
Start	192	End	1358
GI	none	Score	.97
Exons	192..206, 283..469, 730..1358		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82589	Strand	+
Start	3059	End	5774
Name	OJ000209_19.0412.C15.o1.np	Method	AAT/NAP
Start	3059	End	5774
GI	6539567	Score	366
Exons	3059..3093, 4531..4949, 5661..5774		
GI Descrip.	(AP000836) EST C72938(E2506) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome I BAC T5A14 genomic sequence; unknown protein (AC005223) [Oryza sativa]		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82589	Strand	+
Start	3059	End	5774
Name	OJ000209_19.0412.C15.o3.gs	Method	GENSCAN
Start	4388	End	5034
GI	none	Score	.8
Exons	4388..4727, 4733..5034		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82590	Strand	-
Start	2272	End	2384
Name	OJ000209_19.0412.C15.o1.gp	Method	AAT/GAP
Start	2272	End	2384
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	2272..2384		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82591	Strand	-
Start	5227	End	5933
Name	OJ000209_19.0412.C15.o1.tm	Method	TBLASTX:Maize
Start	4517	End	4887
GI	none	Score	73
Exons	4517..4633, 4536..4595, 4540..4701, 4541..4702, 4699..4791, 4706..4798, 4788..4862, 4792..4887		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15

Gene No.	82591	Strand	-
Start	5227	End	5933
Name	OJ000209_19.0412.C15.o4.gs	Method	GENSCAN
Start	5227	End	5933
GI	none	Score	.75
Exons	5227..5330, 5558..5933		

Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.np	Method	AAT/NAP
Start	1	End	1706
GI	6466946	Score	360
Exons	1..41, 468..563, 1465..1706		
GI Descrip.	(AC009176) putative P-protein: chorismate mutase, prephenate dehydratase [Arabidopsis thaliana]		

Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.gs	Method	GENSCAN
Start	271	End	1581
GI	none	Score	.52
Exons	271..410, 471..563, 1465..1581		

Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.tm	Method	TBLASTX:Maize
Start	468	End	1665
GI	none	Score	123
Exons	468..572, 470..559, 1462..1665, 1464..1661		

Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.tw	Method	TBLASTX:Wheat
Start	468	End	1665
GI	none	Score	110
Exons	468..572, 470..559, 1462..1665, 1464..1661		

Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.ts	Method	TBLASTX:Soybean
Start	468	End	1665
GI	none	Score	136
Exons	468..572, 470..559, 1462..1665, 1464..1661		

Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.tc	Method	TBLASTX:Cress
Start	1477	End	1665
GI	none	Score	277
Exons	1477..1665, 1479..1661		

Seq. No.	39930	Seq. ID	OJ000209_19.0412.C19
Gene No.	82593	Strand	+
Start	775	End	926
Name	OJ000209_19.0412.C19.o1.gs	Method	GENSCAN
Start	775	End	926
GI	none	Score	.79
Exons	775..926		

Seq. No.	39931	Seq. ID	OJ000229_17.0405.C3
Gene No.	82594	Strand	+
Start	232	End	884
Name	OJ000229_17.0405.C3.o1.gs	Method	GENSCAN
Start	232	End	884
GI	none	Score	.58
Exons	232..323, 415..475, 687..884		

Seq. No.	39931	Seq. ID	OJ000229_17.0405.C3
Gene No.	82595	Strand	-
Start	172	End	547
Name	OJ000229_17.0405.C3.o1.gp	Method	AAT/GAP
Start	172	End	547
GI	none	Score	689
Exons	172..547		

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82596	Strand	+
Start	1	End	815
Name	OJ000229_17.0405.C4.o1.np	Method	AAT/NAP
Start	1	End	815
GI	322577	Score	447
Exons	1..118, 224..355, 546..640, 722..815		
GI Descrip.	Raf protein kinase homolog CTR1 - Arabidopsis thaliana		

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82597	Strand	+
Start	772	End	2041
Name	OJ000229_17.0405.C4.o1.tm	Method	TBLASTX:Maize
Start	42	End	818
GI	none	Score	91
Exons	42..113, 49..117, 50..118, 216..356, 223..357, 224..361, 229..366, 230..361, 543..641, 545..634, 713..811, 723..818		

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82597	Strand	+
Start	772	End	2041
Name	OJ000229_17.0405.C4.o1.ts	Method	TBLASTX:Soybean
Start	46	End	797
GI	none	Score	109
Exons	46..117, 50..118, 223..351, 224..355, 229..357, 255..356, 542..640, 543..638, 555..644, 720..797		

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82597	Strand	+
Start	772	End	2041
Name	OJ000229_17.0405.C4.o1.tc	Method	TBLASTX:Cress
Start	49	End	817
GI	none	Score	104

Exons	49..117, 50..118, 223..357, 224..361, 543..635, 545..634, 713..817, 720..812		

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82597	Strand	+
Start	772	End	2041
Name	OJ000229_17.0405.C4.o1.gp	Method	AAT/GAP
Start	772	End	2041
GI	none	Score	921
Exons	772..1009, 1797..2041		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82598	Strand	+
Start	1045	End	3280
Name	OJ000229_17.0405.C5.o1.gs	Method	GENSCAN
Start	1045	End	2334
GI	none	Score	.42
Exons	1045..2334		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82598	Strand	+
Start	1045	End	3280
Name	OJ000229_17.0405.C5.o1.gp	Method	AAT/GAP
Start	1924	End	3280
GI	none	Score	1385
Exons	1924..2314, 2944..3280		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82599	Strand	+
Start	6349	End	6407
Name	OJ000229_17.0405.C5.o2.gp	Method	AAT/GAP
Start	6349	End	6407
GI	16490_1.R1084	Score	87
Exons	6349..6407		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82600	Strand	+
Start	8356	End	11628
Name	OJ000229_17.0405.C5.o4.gs	Method	GENSCAN
Start	8356	End	11628
GI	none	Score	.79
Exons	8356..8467, 8552..8819, 8889..9617, 9717..10928, 10968..11628		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82600	Strand	+
Start	8356	End	11628
Name	OJ000229_17.0405.C5.o1.np	Method	AAT/NAP
Start	8356	End	11625
GI	5803259	Score	4552
Exons	8356..9617, 9717..11625		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82601	Strand	-
Start	3337	End	4116

Name	OJ000229_17.0405.C5.o2.gs	Method	GENSCAN
Start	3337	End	4116
GI	none	Score	.81
Exons	3337..3392, 3993..4116		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82602	Strand	-
Start	5958	End	7266
Name	OJ000229_17.0405.C5.o3.gs	Method	GENSCAN
Start	5958	End	7266
GI	none	Score	.52
Exons	5958..5977, 7116..7266		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82603	Strand	-
Start	12274	End	18429
Name	OJ000229_17.0405.C5.o5.gs	Method	GENSCAN
Start	12274	End	15939
GI	none	Score	1
Exons	12274..15939		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82603	Strand	-
Start	12274	End	18429
Name	OJ000229_17.0405.C5.o2.np	Method	AAT/NAP
Start	12277	End	18429
GI	7228457	Score	9291
Exons	12277..13827, 13894..15045, 15168..16002, 16066..18001, 18063..18429		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82603	Strand	-
Start	12274	End	18429
Name	OJ000229_17.0405.C5.o6.gs	Method	GENSCAN
Start	16003	End	18429
GI	none	Score	.99
Exons	16003..18429		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o7.tw	Method	TBLASTX:Wheat
Start	12286	End	12888
GI	none	Score	75
Exons	12286..12411, 12290..12412, 12472..12750, 12598..12888, 12605..12883, 12813..12884		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o4.tw	Method	TBLASTX:Wheat
Start	12889	End	13270
GI	none	Score	171
Exons	12889..13269, 12920..13168, 13214..13270		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o3.tm	Method	TBLASTX:Maize
Start	13084	End	13398
GI	none	Score	187
Exons	13084..13398, 13097..13363		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o8.tw	Method	TBLASTX:Wheat
Start	13600	End	13912
GI	none	Score	60
Exons	13600..13860, 13814..13912		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o2.ts	Method	TBLASTX:Soybean
Start	13660	End	14226
GI	5666795	Score	68
Exons	13660..13860, 13915..14052, 14128..14226		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o5.tw	Method	TBLASTX:Wheat
Start	13915	End	14373
GI	none	Score	87
Exons	13915..14064, 13916..14053, 13918..14055, 14111..14284, 14125..14373, 14125..14349		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o1.ts	Method	TBLASTX:Soybean
Start	14974	End	15345
GI	none	Score	90
Exons	14974..15345, 15185..15328		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o2.tw	Method	TBLASTX:Wheat
Start	14999	End	15424
GI	none	Score	323
Exons	14999..15424, 15004..15423		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o2.tm	Method	TBLASTX:Maize
Start	15097	End	15481
GI	none	Score	226

Exons	15097..15480, 15116..15481		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o1.tm	Method	TBLASTX:Maize
Start	15508	End	15864
GI	none	Score	69
Exons	15508..15624, 15508..15864, 15518..15829		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o1.tw	Method	TBLASTX:Wheat
Start	15532	End	15995
GI	none	Score	354
Exons	15532..15993, 15539..15994, 15552..15995		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o3.ts	Method	TBLASTX:Soybean
Start	15589	End	15954
GI	none	Score	106
Exons	15589..15723, 15730..15954		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o3.tw	Method	TBLASTX:Wheat
Start	16186	End	16645
GI	none	Score	175
Exons	16186..16644, 16190..16450, 16508..16645		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o6.tw	Method	TBLASTX:Wheat
Start	17383	End	17775
GI	none	Score	95
Exons	17383..17640, 17417..17656, 17623..17721, 17624..17716, 17728..17775		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o4.tm	Method	TBLASTX:Maize
Start	17485	End	17770
GI	none	Score	107
Exons	17485..17733, 17486..17770		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o3.np	Method	AAT/NAP
Start	18661	End	18888
GI	5042454	Score	71

Exons	18661..18729, 18861..18888		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39934	Seq. ID	OJ000229_17.0405.C6
Gene No.	82605	Strand	+
Start	136	End	2196
Name	OJ000229_17.0405.C6.o1.gs	Method	GENSCAN
Start	136	End	2196
GI	none	Score	.88
Exons	136..288, 366..1332, 2018..2196		

Seq. No.	39935	Seq. ID	OJ000229_17.0405.C7
Gene No.	82606	Strand	-
Start	1	End	1132
Name	OJ000229_17.0405.C7.o1.np	Method	AAT/NAP
Start	1	End	1132
GI	322577	Score	339
Exons	1..26, 260..354, 620..770, 864..1132		
GI Descrip.	Raf protein kinase homolog CTR1 - Arabidopsis thaliana		

Seq. No.	39935	Seq. ID	OJ000229_17.0405.C7
Gene No.	82606	Strand	-
Start	1	End	1132
Name	OJ000229_17.0405.C7.o1.tc	Method	TBLASTX:Cress
Start	256	End	1132
GI	none	Score	56
Exons	256..354, 259..351, 626..691, 707..754, 866..1015, 954..1130, 1025..1132		

Seq. No.	39935	Seq. ID	OJ000229_17.0405.C7
Gene No.	82606	Strand	-
Start	1	End	1132
Name	OJ000229_17.0405.C7.o1.tm	Method	TBLASTX:Maize
Start	867	End	1103
GI	none	Score	161
Exons	867..1007, 867..1007, 868..1008, 869..1009, 946..1095, 968..1093, 969..1103, 972..1094, 973..1095		

Seq. No.	39936	Seq. ID	OJ000229_17.0405.C9
Gene No.	82607	Strand	+
Start	553	End	3180
Name	OJ000229_17.0405.C9.o1.gs	Method	GENSCAN
Start	553	End	3180
GI	none	Score	.7
Exons	553..604, 633..963, 1043..1201, 3022..3180		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82608	Strand	+
Start	434	End	1417
Name	OJ000229_17.0405.C10.o1.gs	Method	GENSCAN
Start	434	End	1417
GI	none	Score	.77
Exons	434..574, 653..1417		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82609	Strand	-
Start	2409	End	3879

Name	OJ000229_17.0405.C10.o2.gs	Method	GENSCAN
Start	2409	End	3879
GI	none	Score	.65
Exons	2409..2500, 2845..2918, 3641..3879		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82610	Strand	-
Start	6097	End	7411
Name	OJ000229_17.0405.C10.o3.gs	Method	GENSCAN
Start	6097	End	7325
GI	none	Score	.66
Exons	6097..6201, 6213..7325		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82610	Strand	-
Start	6097	End	7411
Name	OJ000229_17.0405.C10.o1.np	Method	AAT/NAP
Start	6153	End	7411
GI	6579207	Score	1381
Exons	6153..7411		
GI Descrip.	(AC011438) T23G18.10 [Arabidopsis thaliana]		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o1.tc	Method	TBLASTX:Cress
Start	6148	End	7013
GI	none	Score	238
Exons	6148..6462, 6177..6461, 6459..6632, 6460..6603, 6726..6767, 6766..6813, 6768..7013, 6889..6987		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o1.tm	Method	TBLASTX:Maize
Start	6160	End	7106
GI	none	Score	723
Exons	6160..6813, 6180..7106, 6889..7089, 7032..7106		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o1.ts	Method	TBLASTX:Soybean
Start	6165	End	7103
GI	none	Score	103
Exons	6165..6278, 6166..6447, 6166..6318, 6177..6449, 6324..6455, 6432..6593, 6450..7103, 6451..6603, 6691..6813, 6889..7092, 7026..7103		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o2.tw	Method	TBLASTX:Wheat
Start	6181	End	6539
GI	none	Score	168
Exons	6181..6351, 6183..6317, 6184..6318, 6318..6362, 6319..6360, 6337..6531, 6363..6539, 6375..6539		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o1.tw	Method	TBLASTX:Wheat
Start	6702	End	7109
GI	none	Score	95
Exons	6702..6812, 6702..7109, 6703..6813, 6889..7089, 7020..7106		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o2.tm	Method	TBLASTX:Maize
Start	9097	End	9293
GI	none	Score	122
Exons	9097..9291, 9125..9292, 9129..9293		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o2.np	Method	AAT/NAP
Start	9128	End	9357
GI	7529718	Score	225
Exons	9128..9357		
GI Descrip.	(AL132969) nuclear envelope membrane protein-like [Arabidopsis thaliana]		

Seq. No.	39938	Seq. ID	OJ000229_17.0405.C12
Gene No.	82612	Strand	+
Start	333	End	833
Name	OJ000229_17.0405.C12.o1.gs	Method	GENSCAN
Start	333	End	833
GI	none	Score	.61
Exons	333..529, 611..723, 799..833		

Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o1.np	Method	AAT/NAP
Start	1	End	3481
GI	6069646	Score	567
Exons	1..21, 2324..3114, 3397..3481		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o2.tw	Method	TBLASTX:Wheat
Start	2218	End	2553
GI	none	Score	78
Exons	2218..2370, 2371..2553		

Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13

Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o1.tm	Method	TBLASTX:Maize
Start	2299	End	2724
GI	none	Score	456
Exons	2299..2724, 2310..2723		

Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o2.tm	Method	TBLASTX:Maize
Start	2727	End	3332
GI	none	Score	98
Exons	2727..2795, 2728..2805, 2773..3330, 2823..2981, 3060..3332		

Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o1.ts	Method	TBLASTX:Soybean
Start	2950	End	3459
GI	none	Score	146
Exons	2950..3300, 3307..3330, 3361..3459		

Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o1.tw	Method	TBLASTX:Wheat
Start	2971	End	3411
GI	none	Score	234
Exons	2971..3267, 2973..3263, 3253..3411, 3318..3407		

Seq. No.	39940	Seq. ID	OJ000229_17.0405.C14
Gene No.	82614	Strand	+
Start	1	End	712
Name	OJ000229_17.0405.C14.o1.np	Method	AAT/NAP
Start	1	End	712
GI	6069646	Score	312
Exons	1..712		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39940	Seq. ID	OJ000229_17.0405.C14
Gene No.	82614	Strand	+
Start	1	End	712
Name	OJ000229_17.0405.C14.o1.gs	Method	GENSCAN
Start	67	End	657
GI	none	Score	.5
Exons	67..486, 567..657		

Seq. No.	39940	Seq. ID	OJ000229_17.0405.C14
Gene No.	82614	Strand	+
Start	1	End	712
Name	OJ000229_17.0405.C14.o1.tm	Method	TBLASTX:Maize
Start	224	End	505

```
GI             none                          Score    299
Exons          224..505, 230..442

Seq. No.       39940                         Seq. ID  OJ000229_17.0405.C14
Gene No.       82614                         Strand   +
Start          1                             End      712
Name           OJ000229_17.0405.C14.o1.tw    Method   TBLASTX:Wheat
Start          293                           End      694
GI             none                          Score    101
Exons          293..442, 500..694

Seq. No.       39940                         Seq. ID  OJ000229_17.0405.C14
Gene No.       82615                         Strand
Start          3233                          End      3407
Name           OJ000229_17.0405.C14.o2.tm    Method   TBLASTX:Maize
Start          3233                          End      3407
GI             none                          Score    108
Exons          3233..3307, 3247..3306, 3300..3407, 3318..3362

Seq. No.       39941                         Seq. ID  OJ000229_17.0405.C17
Gene No.       82616                         Strand   +
Start          10951                         End      17892
Name           OJ000229_17.0405.C17.o1.gp    Method   AAT/GAP
Start          10857                         End      14683
GI             189_1.R1084                   Score    2864
Exons          10857..11004, 11232..11303, 11909..11960, 12081..12161,
               12343..12461, 12557..12776, 12950..13068, 13160..13285,
               13535..13675, 14216..14683
GI Descrip.    '4666287/dbj|BAA77214.1| 0.0e+00 (D85764) cytosolic
               monodehydroascorbate reductase [Oryza sativa]'

Seq. No.       39941                         Seq. ID  OJ000229_17.0405.C17
Gene No.       82616                         Strand   +
Start          10951                         End      17892
Name           OJ000229_17.0405.C17.o2.np    Method   AAT/NAP
Start          10951                         End      14536
GI             4666287                       Score    1950
Exons          10951..11004, 11232..11303, 11909..11960, 12081..12161,
               12343..12461, 12557..12776, 12950..13068, 13160..13285,
               13535..13675, 14216..14536
GI Descrip.    (D85764) cytosolic monodehydroascorbate reductase [Oryza sativa]

Seq. No.       39941                         Seq. ID  OJ000229_17.0405.C17
Gene No.       82616                         Strand   +
Start          10951                         End      17892
Name           OJ000229_17.0405.C17.o3.gs    Method   GENSCAN
Start          10951                         End      17859
GI             none                          Score    .6
Exons          10951..11004, 11232..11303, 11909..11960, 12081..12161,
               12343..12461, 12557..12776, 12950..13068, 13160..13285,
               13535..13675, 14216..14461, 14708..15017, 15213..15567,
               16129..16245, 16713..16777, 16849..16898, 17677..17859

Seq. No.       39941                         Seq. ID  OJ000229_17.0405.C17
Gene No.       82616                         Strand   +
Start          10951                         End      17892
Name           OJ000229_17.0405.C17.o3.np    Method   AAT/NAP
```

Start	15075	End	16886
GI	3860264	Score	537
Exons	15075..15219, 15342..15497, 15951..16035, 16129..16245, 16713..16886		
GI Descrip.	(AC005824) unknown protein [Arabidopsis thaliana]		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82616	Strand	+
Start	10951	End	17892
Name	OJ000229_17.0405.C17.o4.np	Method	AAT/NAP
Start	15075	End	17859
GI	3860264	Score	1226
Exons	15075..15219, 15342..15497, 15951..16035, 16129..16245, 16713..16777, 16899..16987, 17085..17164, 17240..17351, 17433..17552, 17677..17859		
GI Descrip.	(AC005824) unknown protein [Arabidopsis thaliana]		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82616	Strand	+
Start	10951	End	17892
Name	OJ000229_17.0405.C17.o2.gp	Method	AAT/GAP
Start	15175	End	16234
GI	uC-osflcyp064d10b1	Score	980
Exons	15175..15497, 15951..16035, 16129..16234		
GI Descrip.	'3860264 8.0e-47 (AC005824) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82616	Strand	+
Start	10951	End	17892
Name	OJ000229_17.0405.C17.o3.gp	Method	AAT/GAP
Start	17285	End	17892
GI	703054	Score	741
Exons	17285..17351, 17433..17552, 17677..17892		
GI Descrip.	3860264 8.0e-47 (AC005824) unknown protein [Arabidopsis thaliana]		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82617	Strand	-
Start	1223	End	3223
Name	OJ000229_17.0405.C17.o1.gs	Method	GENSCAN
Start	1223	End	3223
GI	none	Score	.5
Exons	1223..1335, 1525..1844, 3165..3223		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82618	Strand	-
Start	4626	End	6613
Name	OJ000229_17.0405.C17.o2.gs	Method	GENSCAN
Start	4626	End	6613
GI	none	Score	.66
Exons	4626..4859, 5217..5402, 5407..5458, 5610..5920, 6131..6613		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o1.tm	Method	TBLASTX:Maize

Start	10935	End	14542
GI	none	Score	94
Exons	10935..11012, 10938..11009, 10942..11028, 11223..11306, 11231..11305, 11908..11955, 11909..11956, 11910..11963, 12076..12168, 12080..12169, 12080..12181, 12341..12460, 12342..12464, 12342..12458, 12536..12775, 12555..12698, 12572..12775, 12706..12777, 12949..13071, 12951..13070, 13157..13249, 13159..13311, 13160..13285, 13520..13675, 13528..13680, 13529..13675, 13543..13680, 14213..14542, 14213..14491, 14214..14531, 14215..14541		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o2.tc	Method	TBLASTX:Cress
Start	10936	End	12673
GI	none	Score	69
Exons	10936..11028, 10959..11012, 11225..11305, 11232..11306, 11909..11959, 12082..12168, 12083..12169, 12326..12454, 12340..12456, 12341..12463, 12342..12464, 12524..12673, 12556..12672		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o2.ts	Method	TBLASTX:Soybean
Start	11206	End	14545
GI	none	Score	122
Exons	11206..11277, 11225..11305, 11232..11306, 11909..11962, 12085..12168, 12086..12169, 12341..12463, 12342..12464, 12557..12775, 12564..12638, 12572..12772, 12706..12777, 12949..13071, 12951..13070, 13085..13234, 13159..13308, 13160..13312, 13520..13675, 13528..13680, 13529..13675, 13534..13677, 14184..14348, 14199..14456, 14213..14545, 14213..14494, 14215..14538		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o2.tw	Method	TBLASTX:Wheat
Start	12568	End	13311
GI	none	Score	236
Exons	12568..12657, 12569..12775, 12572..12784, 12573..12785, 12723..12791, 12949..13071, 12951..13070, 13157..13249, 13159..13311, 13160..13285		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o1.tc	Method	TBLASTX:Cress
Start	12673	End	14558
GI	none	Score	46
Exons	12673..12729, 12706..12777, 12707..12775, 12949..13071, 12951..13070, 13160..13285, 13520..13675, 13529..13675, 13534..13680, 14213..14539, 14213..14485, 14215..14538, 14508..14558		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o1.tw	Method	TBLASTX:Wheat
Start	13552	End	14545
GI	none	Score	181
Exons	13552..13680, 13553..13675, 13564..13680, 13572..13700, 14213..14545, 14213..14494, 14214..14528, 14215..14535		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82620	Strand	
Start	14813	End	17862
Name	OJ000229_17.0405.C17.o1.ts	Method	TBLASTX:Soybean
Start	14813	End	17853
GI	none	Score	88
Exons	14813..14923, 14860..14922, 14929..15012, 14930..15013, 15329..15397, 15337..15492, 15338..15496, 15952..16035, 16121..16249, 16136..16246, 16687..16785, 16694..16798, 16708..16779, 16713..16784, 16894..16989, 16895..17011, 17082..17165, 17082..17171, 17084..17173, 17237..17347, 17241..17354, 17241..17354, 17411..17545, 17433..17552, 17433..17552, 17680..17853, 17682..17852		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82620	Strand	
Start	14813	End	17862
Name	OJ000229_17.0405.C17.o3.tm	Method	TBLASTX:Maize
Start	14836	End	16767
GI	none	Score	89
Exons	14836..14922, 14837..14923, 14929..15024, 14930..15013, 15329..15493, 15331..15495, 15950..16036, 15951..16037, 16112..16246, 16121..16249, 16134..16247, 16195..16251, 16693..16767, 16713..16766		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82620	Strand	
Start	14813	End	17862
Name	OJ000229_17.0405.C17.o3.tw	Method	TBLASTX:Wheat
Start	14858	End	15990
GI	none	Score	66
Exons	14858..14923, 14890..14922, 14929..15012, 14930..15013, 15351..15401, 15352..15402, 15358..15495, 15359..15496, 15952..15990, 15953..15988		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82620	Strand	
Start	14813	End	17862
Name	OJ000229_17.0405.C17.o2.tm	Method	TBLASTX:Maize
Start	17453	End	17862
GI	none	Score	152
Exons	17453..17551, 17454..17561, 17454..17552, 17595..17648, 17666..17854, 17673..17861, 17676..17861, 17677..17862		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.o1.np	Method	AAT/NAP

Start	234	End	2434
GI	4510346	Score	667
Exons	234..400, 828..1013, 1118..1222, 1560..1643, 1757..2103, 2398..2434		
GI Descrip.	(AC006921) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.o1.ts	Method	TBLASTX:Soybean
Start	340	End	2303
GI	none	Score	73
Exons	340..423, 341..400, 809..886, 821..901, 822..899, 885..1013, 926..1024, 1109..1225, 1117..1218, 1130..1222, 1559..1645, 1560..1655, 1562..1657, 1738..1878, 1760..1879, 1970..2101, 1972..2103, 2195..2302, 2196..2303		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.o1.gs	Method	GENSCAN
Start	341	End	2318
GI	none	Score	.9
Exons	341..400, 828..1013, 1067..1150, 1560..1656, 1968..2103, 2207..2318		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.o1.tc	Method	TBLASTX:Cress
Start	849	End	1655
GI	none	Score	77
Exons	849..899, 851..901, 897..1025, 917..1012, 1109..1225, 1129..1218, 1560..1655, 1568..1636		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.o1.tm	Method	TBLASTX:Maize
Start	900	End	2308
GI	none	Score	142
Exons	900..1013, 902..1021, 903..1013, 1109..1225, 1117..1221, 1559..1654, 1560..1655, 1586..1657, 1766..1867, 1767..1853, 1768..1869, 1769..1870, 1970..2104, 1972..2157, 1999..2106, 2191..2298, 2192..2233, 2192..2308, 2205..2303		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.o1.gp	Method	AAT/GAP
Start	2220	End	2514
GI	3769002	Score	531
Exons	2220..2514		

Seq. No.	39943	Seq. ID	OJ000229_17.0405.C22
Gene No.	82622	Strand	-
Start	871	End	1832

Name	OJ000229_17.0405.C22.o1.gs	Method	GENSCAN
Start	871	End	1832
GI	none	Score	.64
Exons	871..1011, 1149..1237, 1760..1832		

Seq. No.	39944	Seq. ID	OJ000229_17.0405.C24
Gene No.	82623	Strand	-
Start	641	End	901
Name	OJ000229_17.0405.C24.o1.gs	Method	GENSCAN
Start	641	End	901
GI	none	Score	.63
Exons	641..901		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o1.gs	Method	GENSCAN
Start	514	End	4025
GI	none	Score	.78
Exons	514..610, 732..1007, 3167..3429, 3513..4025		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o1.gp	Method	AAT/GAP
Start	817	End	3547
GI	62655_1.R1084	Score	811
Exons	817..1007, 3167..3429, 3513..3547		
GI Descrip.	'4678342/emb|CAB41152.1| 6.0e-13 (AL049659) lipase-like protein [Arabidopsis thaliana]'		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o1.np	Method	AAT/NAP
Start	849	End	4025
GI	7340646	Score	421
Exons	849..1007, 3167..3429, 3516..4025		
GI Descrip.	(AL162506) putative protein [Arabidopsis thaliana]		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o2.np	Method	AAT/NAP
Start	2057	End	4025
GI	7340645	Score	190
Exons	2057..2074, 3167..3429, 3516..4025		
GI Descrip.	(AL162506) putative protein [Arabidopsis thaliana]		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o2.gp	Method	AAT/GAP
Start	3747	End	4271
GI	5667612	Score	998
Exons	3747..4271		

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Seq. No.      39945                        Seq. ID  OJ000229_17.0405.C25
Gene No.      82625                        Strand   +
Start         4434                         End      4815
Name          OJ000229_17.0405.C25.o3.gp   Method   AAT/GAP
Start         4434                         End      4815
GI            none                         Score    740
Exons         4434..4815

Seq. No.      39945                        Seq. ID  OJ000229_17.0405.C25
Gene No.      82626                        Strand   -
Start         4767                         End      6201
Name          OJ000229_17.0405.C25.o2.tm   Method   TBLASTX:Maize
Start         3654                         End      3856
GI            none                         Score    170
Exons         3654..3809, 3656..3817, 3800..3856, 3801..3854

Seq. No.      39945                        Seq. ID  OJ000229_17.0405.C25
Gene No.      82626                        Strand   -
Start         4767                         End      6201
Name          OJ000229_17.0405.C25.o2.gs   Method   GENSCAN
Start         4767                         End      5518
GI            none                         Score    .96
Exons         4767..4976, 5082..5202, 5396..5518

Seq. No.      39945                        Seq. ID  OJ000229_17.0405.C25
Gene No.      82626                        Strand   -
Start         4767                         End      6201
Name          OJ000229_17.0405.C25.o1.tm   Method   TBLASTX:Maize
Start         4842                         End      6199
GI            none                         Score    158
Exons         4842..4976, 4843..4977, 4854..4985, 5027..5203, 5077..5241,
              5082..5204, 5135..5212, 5381..5521, 5395..5520, 5642..5878,
              5643..5879, 5643..5879, 5644..5880, 5927..6199, 5982..6194,
              6002..6196

Seq. No.      39945                        Seq. ID  OJ000229_17.0405.C25
Gene No.      82626                        Strand   -
Start         4767                         End      6201
Name          OJ000229_17.0405.C25.o1.ts   Method   TBLASTX:Soybean
Start         4842                         End      5478
GI            none                         Score    68
Exons         4842..4976, 4842..4976, 4843..4977, 4885..4980, 5086..5124,
              5110..5238, 5121..5204, 5135..5251, 5381..5473, 5395..5478

Seq. No.      39945                        Seq. ID  OJ000229_17.0405.C25
Gene No.      82626                        Strand   -
Start         4767                         End      6201
Name          OJ000229_17.0405.C25.o3.np   Method   AAT/NAP
Start         4860                         End      6201
GI            3023946                      Score    127
Exons         4860..5018, 5151..5202, 5396..5496, 5590..5877, 6010..6201
GI Descrip.   HIRA PROTEIN (TUP1 LIKE ENHANCER OF SPLIT PROTEIN 1) gi|2352031
              (U94324) Tuple1/HirA [Fugu rubripes] gi|2352036 (U94325)
              Tuple1/HirA [Fugu rubripes]

Seq. No.      39945                        Seq. ID  OJ000229_17.0405.C25
Gene No.      82626                        Strand   -
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Start	4767	End	6201
Name	OJ000229_17.0405.C25.o4.gp	Method	AAT/GAP
Start	5416	End	5883
GI	3768300	Score	614
Exons	5416..5518, 5643..5883		

Seq. No.	39946	Seq. ID	OJ000229_17.0405.C26
Gene No.	82627	Strand	-
Start	1	End	1153
Name	OJ000229_17.0405.C26.o1.np	Method	AAT/NAP
Start	1	End	1153
GI	631489	Score	419
Exons	1..291, 380..509, 558..777, 902..1153		
GI Descrip.	TUP1 like enhancer - human gi|434983|emb|CAA53044.1| (X75296) TUP1 like enhancer of SPLIT gene 1 [Homo sapiens]		

Seq. No.	39946	Seq. ID	OJ000229_17.0405.C26
Gene No.	82627	Strand	-
Start	1	End	1153
Name	OJ000229_17.0405.C26.o1.gs	Method	GENSCAN
Start	69	End	1153
GI	none	Score	.55
Exons	69..291, 380..777, 902..1153		

Seq. No.	39947	Seq. ID	OJ000229_17.0405.C27
Gene No.	82628	Strand	-
Start	1084	End	1534
Name	OJ000229_17.0405.C27.o1.gs	Method	GENSCAN
Start	1084	End	1407
GI	none	Score	.97
Exons	1084..1407		

Seq. No.	39947	Seq. ID	OJ000229_17.0405.C27
Gene No.	82628	Strand	-
Start	1084	End	1534
Name	OJ000229_17.0405.C27.o1.tc	Method	TBLASTX:Cress
Start	1084	End	1326
GI	none	Score	67
Exons	1084..1173, 1085..1165, 1213..1326		

Seq. No.	39947	Seq. ID	OJ000229_17.0405.C27
Gene No.	82628	Strand	-
Start	1084	End	1534
Name	OJ000229_17.0405.C27.o1.np	Method	AAT/NAP
Start	1087	End	1534
GI	1491615	Score	250
Exons	1087..1534		
GI Descrip.	(X99923) male sterility 2-like protein [Arabidopsis thaliana]		

Seq. No.	39947	Seq. ID	OJ000229_17.0405.C27
Gene No.	82628	Strand	-
Start	1084	End	1534
Name	OJ000229_17.0405.C27.o1.tm	Method	TBLASTX:Maize
Start	1091	End	1533
GI	none	Score	94
Exons	1091..1171, 1096..1218, 1207..1335, 1214..1309, 1393..1533, 1393..1533		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o1.np	Method	AAT/NAP
Start	1	End	1528
GI	7487952	Score	430
Exons	1..412, 504..604, 691..922, 1456..1528		
GI Descrip.	male sterility protein 2 homolog T16L1.280 - Arabidopsis thaliana (fragment) gi|3549681|emb|CAA20592.1| (AL031394) male sterility 2-like protein [Arabidopsis thaliana]		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o1.tc	Method	TBLASTX:Cress
Start	31	End	821
GI	none	Score	76
Exons	31..120, 47..118, 159..251, 166..246, 267..413, 463..606, 506..622, 690..758, 756..821		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o1.ts	Method	TBLASTX:Soybean
Start	31	End	263
GI	none	Score	87
Exons	31..120, 32..115, 153..263, 166..246		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o2.tm	Method	TBLASTX:Maize
Start	31	End	386
GI	none	Score	114
Exons	31..120, 32..118, 147..296, 160..252, 192..257, 282..386		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o1.gs	Method	GENSCAN
Start	108	End	908
GI	none	Score	.8
Exons	108..412, 504..658, 691..908		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o1.gp	Method	AAT/GAP
Start	194	End	855
GI	uC-osroM202025e08b1	Score	893
Exons	194..412, 504..604, 691..855		
GI Descrip.	'5020215/gb|AAD38039.1|AF149917_1 6.0e-32 (AF149917) acyl CoA reductase [Simmondsia chinensis] >gi_5020217_gb_AAD38040.1_AF149918_1 (AF149918) acyl CoA reductase [synthetic construct]'		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o1.tm	Method	TBLASTX:Maize
Start	458	End	893
GI	none	Score	101
Exons	458..610, 463..606, 667..891, 688..891, 690..893		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o2.ts	Method	TBLASTX:Soybean
Start	505	End	893
GI	none	Score	70
Exons	505..606, 506..610, 690..755, 691..729, 693..893		

Seq. No.	39949	Seq. ID	OJ000229_17.0405.C31
Gene No.	82630	Strand	-
Start	1	End	574
Name	OJ000229_17.0405.C31.o1.gp	Method	AAT/GAP
Start	1	End	574
GI	8172_1.R1084	Score	535
Exons	1..53, 202..335, 449..574		
GI Descrip.	'5689238/dbj|BAA82874.1| 8.0e-53 (AB024292) histidine-containing phosphotransfer protein [Zea mays]'		

Seq. No.	39949	Seq. ID	OJ000229_17.0405.C31
Gene No.	82630	Strand	-
Start	1	End	574
Name	OJ000229_17.0405.C31.o1.np	Method	AAT/NAP
Start	1	End	508
GI	5689238	Score	298
Exons	1..53, 202..335, 449..508		
GI Descrip.	(AB024292) histidine-containing phosphotransfer protein [Zea mays]		

Seq. No.	39949	Seq. ID	OJ000229_17.0405.C31
Gene No.	82630	Strand	-
Start	1	End	574
Name	OJ000229_17.0405.C31.o1.tm	Method	TBLASTX:Maize
Start	2	End	518
GI	none	Score	57
Exons	2..52, 2..52, 193..336, 210..335, 452..517, 456..518		

Seq. No.	39949	Seq. ID	OJ000229_17.0405.C31
Gene No.	82630	Strand	-
Start	1	End	574
Name	OJ000229_17.0405.C31.o1.gs	Method	GENSCAN
Start	26	End	508
GI	none	Score	.72
Exons	26..53, 202..335, 449..508		

Seq. No.	39950	Seq. ID	OJ000229_17.0405.C33
Gene No.	82631	Strand	-
Start	1	End	713
Name	OJ000229_17.0405.C33.o1.np	Method	AAT/NAP
Start	1	End	713

GI	7529718	Score	199
Exons	1..71, 421..542, 647..713		
GI Descrip.	(AL132969) nuclear envelope membrane protein-like [Arabidopsis thaliana]		

Seq. No.	39950	Seq. ID	OJ000229_17.0405.C33
Gene No.	82631	Strand	-
Start	1	End	713
Name	OJ000229_17.0405.C33.o1.gs	Method	GENSCAN
Start	208	End	289
GI	none	Score	.52
Exons	208..289		

Seq. No.	39950	Seq. ID	OJ000229_17.0405.C33
Gene No.	82631	Strand	-
Start	1	End	713
Name	OJ000229_17.0405.C33.o1.tm	Method	TBLASTX:Maize
Start	422	End	712
GI	none	Score	157
Exons	422..541, 423..542, 424..543, 643..711, 647..712		

Seq. No.	39950	Seq. ID	OJ000229_17.0405.C33
Gene No.	82631	Strand	-
Start	1	End	713
Name	OJ000229_17.0405.C33.o1.ts	Method	TBLASTX:Soybean
Start	423	End	712
GI	none	Score	137
Exons	423..533, 425..541, 426..536, 643..711, 644..712		

Seq. No.	39951	Seq. ID	OJ000229_17.0405.C39
Gene No.	82632	Strand	+
Start	539	End	1466
Name	OJ000229_17.0405.C39.o1.gs	Method	GENSCAN
Start	539	End	1466
GI	none	Score	.5
Exons	539..708, 1021..1096, 1241..1466		

Seq. No.	39952	Seq. ID	OJ000229_17.0405.C41
Gene No.	82633	Strand	-
Start	1416	End	1716
Name	OJ000229_17.0405.C41.o1.gs	Method	GENSCAN
Start	1416	End	1694
GI	none	Score	.96
Exons	1416..1694		

Seq. No.	39952	Seq. ID	OJ000229_17.0405.C41
Gene No.	82633	Strand	-
Start	1416	End	1716
Name	OJ000229_17.0405.C41.o1.np	Method	AAT/NAP
Start	1422	End	1716
GI	4927412	Score	320
Exons	1422..1716		
GI Descrip.	(AF082525) homoserine kinase [Arabidopsis thaliana]		

Seq. No.	39952	Seq. ID	OJ000229_17.0405.C41
Gene No.	82633	Strand	-
Start	1416	End	1716

Name	OJ000229_17.0405.C41.o1.tc	Method	TBLASTX:Cress
Start	1431	End	1715
GI	none	Score	177
Exons	1431..1715, 1441..1704		

Seq. No.	39953	Seq. ID	OJ000229_17.0405.C53
Gene No.	82634	Strand	+
Start	314	End	1251
Name	OJ000229_17.0405.C53.o1.tm	Method	TBLASTX:Maize
Start	270	End	696
GI	none	Score	130
Exons	270..446, 272..310, 297..425, 426..488, 427..555, 428..562, 432..563, 565..597, 587..694, 605..694, 607..696		

Seq. No.	39953	Seq. ID	OJ000229_17.0405.C53
Gene No.	82634	Strand	+
Start	314	End	1251
Name	OJ000229_17.0405.C53.o1.gp	Method	AAT/GAP
Start	314	End	1251
GI	5003507	Score	1298
Exons	314..688, 944..1251		

Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82635	Strand	+
Start	1	End	1856
Name	OJ000229_17.0405.C54.o1.np	Method	AAT/NAP
Start	1	End	1271
GI	4115937	Score	221
Exons	1..74, 234..390, 454..531, 721..1271		
GI Descrip.	(AF118223) contains similarity to human PCF11p homolog (GB:AF046935) [Arabidopsis thaliana]		

Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82635	Strand	+
Start	1	End	1856
Name	OJ000229_17.0405.C54.o1.gp	Method	AAT/GAP
Start	409	End	962
GI	uC-osflM202068h09b1	Score	1044
Exons	409..962		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82635	Strand	+
Start	1	End	1856
Name	OJ000229_17.0405.C54.o2.gp	Method	AAT/GAP
Start	1144	End	1856
GI	5003506	Score	1392
Exons	1144..1856		

Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82636	Strand	-
Start	1862	End	2159
Name	OJ000229_17.0405.C54.o1.tm	Method	TBLASTX:Maize
Start	696	End	975
GI	none	Score	50
Exons	696..974, 704..793, 705..797, 774..845, 843..971, 844..975		

Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82636	Strand	-
Start	1862	End	2159
Name	OJ000229_17.0405.C54.o1.tc	Method	TBLASTX:Cress
Start	735	End	1137
GI	none	Score	104
Exons	735..896, 918..1136, 1038..1136, 1039..1137		

Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82636	Strand	-
Start	1862	End	2159
Name	OJ000229_17.0405.C54.o2.gs	Method	GENSCAN
Start	1862	End	2159
GI	none	Score	.97
Exons	1862..1982, 2053..2159		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.tm	Method	TBLASTX:Maize
Start	667	End	1222
GI	none	Score	574
Exons	667..1221, 728..1222		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.gs	Method	GENSCAN
Start	694	End	1155
GI	none	Score	.51
Exons	694..1155		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.np	Method	AAT/NAP
Start	718	End	1222
GI	6579207	Score	689
Exons	718..1222		
GI Descrip.	(AC011438) T23G18.10 [Arabidopsis thaliana]		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.ts	Method	TBLASTX:Soybean
Start	724	End	1221
GI	none	Score	345
Exons	724..1014, 725..1012, 889..1020, 997..1158, 1013..1108, 1015..1221, 1016..1168		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.tc	Method	TBLASTX:Cress
Start	727	End	1221
GI	none	Score	78

Exons	727..1026, 742..840, 746..1027, 1024..1221, 1025..1168		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.tw	Method	TBLASTX:Wheat
Start	746	End	1104
GI	none	Score	168
Exons	746..916, 748..882, 749..883, 883..927, 884..925, 902..1096, 928..1104, 940..1104		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o2.tw	Method	TBLASTX:Wheat
Start	1105	End	1222
GI	none	Score	72
Exons	1105..1158, 1105..1221, 1106..1222		

Seq. No.	39956	Seq. ID	OJ000229_17.0405.C56
Gene No.	82638	Strand	+
Start	66	End	898
Name	OJ000229_17.0405.C56.o1.gs	Method	GENSCAN
Start	66	End	898
GI	none	Score	.48
Exons	66..204, 762..898		

Seq. No.	39956	Seq. ID	OJ000229_17.0405.C56
Gene No.	82639	Strand	-
Start	1157	End	1926
Name	OJ000229_17.0405.C56.o2.gs	Method	GENSCAN
Start	1157	End	1926
GI	none	Score	.9
Exons	1157..1221, 1657..1709, 1883..1926		

Seq. No.	39957	Seq. ID	OJ000229_17.0405.C57
Gene No.	82640	Strand	+
Start	1	End	2102
Name	OJ000229_17.0405.C57.o1.np	Method	AAT/NAP
Start	1	End	2102
GI	7529276	Score	229
Exons	1..413, 2062..2102		
GI Descrip.	(AL163491) putative protein [Arabidopsis thaliana]		

Seq. No.	39957	Seq. ID	OJ000229_17.0405.C57
Gene No.	82641	Strand	+
Start	3206	End	3632
Name	OJ000229_17.0405.C57.o2.np	Method	AAT/NAP
Start	3206	End	3632
GI	5922623	Score	78
Exons	3206..3313, 3599..3632		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39957	Seq. ID	OJ000229_17.0405.C57
Gene No.	82642	Strand	-

Start	3360	End	3632
Name	OJ000229_17.0405.C57.o1.tc	Method	TBLASTX:Cress
Start	92	End	357
GI	none	Score	130
Exons	92..241, 98..241, 232..357, 243..344		

Seq. No.	39957	Seq. ID	OJ000229_17.0405.C57
Gene No.	82642	Strand	-
Start	3360	End	3632
Name	OJ000229_17.0405.C57.o3.np	Method	AAT/NAP
Start	3360	End	3632
GI	5042454	Score	76
Exons	3360..3413, 3588..3632		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39958	Seq. ID	OJ000229_17.0405.C58
Gene No.	82643	Strand	-
Start	156	End	2902
Name	OJ000229_17.0405.C58.o1.gs	Method	GENSCAN
Start	156	End	2902
GI	none	Score	.66
Exons	156..185, 2786..2902		

Seq. No.	39958	Seq. ID	OJ000229_17.0405.C58
Gene No.	82644	Strand	-
Start	2941	End	3011
Name	OJ000229_17.0405.C58.o1.gp	Method	AAT/GAP
Start	2941	End	3011
GI	38012_1.R1084	Score	82
Exons	2941..3011		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	39959	Seq. ID	OJ000229_07.0412.C1
Gene No.	82645	Strand	+
Start	98	End	223
Name	OJ000229_07.0412.C1.o1.gs	Method	GENSCAN
Start	98	End	223
GI	none	Score	.83
Exons	98..223		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82646	Strand	+
Start	73	End	232
Name	OJ000229_07.0412.C3.o1.gs	Method	GENSCAN
Start	73	End	232
GI	none	Score	.76
Exons	73..232		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82647	Strand	+
Start	5964	End	9013
Name	OJ000229_07.0412.C3.o1.np	Method	AAT/NAP
Start	5964	End	9013
GI	7434305	Score	789
Exons	5964..6078, 6588..6823, 7635..7880, 8395..8523, 8622..9013		
GI Descrip.	probable protein kinase - Arabidopsis thaliana		

gi|2245124|emb|CAB10546.1| (Z97343) NAK like protein kinase [Arabidopsis thaliana] gi|7268518|emb|CAB78769.1| (AL161546) NAK like protein kinase [Arabidopsis thaliana]

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82648	Strand	-
Start	816	End	3699
Name	OJ000229_07.0412.C3.o2.tm	Method	TBLASTX:Maize
Start	8	End	684
GI	none	Score	173
Exons	8..154, 11..166, 162..242, 163..243, 520..633, 520..633, 533..634, 640..684		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82648	Strand	-
Start	816	End	3699
Name	OJ000229_07.0412.C3.o2.gs	Method	GENSCAN
Start	816	End	3699
GI	none	Score	.65
Exons	816..863, 2018..2224, 2602..2721, 2771..2994, 3066..3208, 3677..3699		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o2.tc	Method	TBLASTX:Cress
Start	6560	End	7799
GI	none	Score	115
Exons	6560..6739, 7632..7799, 7634..7756		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o2.ts	Method	TBLASTX:Soybean
Start	6650	End	7889
GI	none	Score	143
Exons	6650..6823, 7626..7886, 7632..7889		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o1.tm	Method	TBLASTX:Maize
Start	7628	End	8933
GI	none	Score	131
Exons	7628..7723, 7632..7730, 7737..7796, 7743..7811, 7812..7880, 8400..8528, 8401..8526, 8619..8933, 8630..8848		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o1.tw	Method	TBLASTX:Wheat
Start	7815	End	8792
GI	none	Score	73
Exons	7815..7877, 8401..8526, 8409..8528, 8619..8792, 8636..8791		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	

Start	6560	End	8933
Name	OJ000229_07.0412.C3.o1.tc	Method	TBLASTX:Cress
Start	7818	End	8933
GI	none	Score	71
Exons	7818..7889, 8395..8526, 8412..8525, 8622..8933, 8630..8788		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o1.ts	Method	TBLASTX:Soybean
Start	8410	End	8933
GI	none	Score	163
Exons	8410..8526, 8412..8525, 8622..8933, 8630..8839		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82650	Strand	+
Start	2511	End	3029
Name	OJ000229_07.0412.C5.o2.gs	Method	GENSCAN
Start	2511	End	3029
GI	none	Score	1
Exons	2511..3029		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82651	Strand	+
Start	3057	End	4222
Name	OJ000229_07.0412.C5.o3.gp	Method	AAT/GAP
Start	3057	End	4222
GI	1204_1.R1084	Score	167
Exons	3057..3152, 4189..4222		
GI Descrip.	'461595/sp|P31853|ATPX_SPIOL 4.0e-35 ATP SYNTHASE B'' CHAIN PRECURSOR (SUBUNIT II) >gi_479533_pir__S34473 H+-transporting ATP synthase (EC 3.6.1.34) chain 9 - spinach >gi_394755_emb_CAA50520_ (X71397) CF(o)II ATP synthase subunit 9 [Spinacia oleracea]'		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82652	Strand	+
Start	4783	End	5545
Name	OJ000229_07.0412.C5.o2.np	Method	AAT/NAP
Start	4777	End	5454
GI	7438429	Score	688
Exons	4777..5454		
GI Descrip.	GTP-binding protein - garden pea (fragment) gi|303736|dbj|BAA02109.1| (D12541) GTP-binding protein [Pisum sativum] gi|738934|prf||2001457B GTP-binding protein [Pisum sativum]		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82652	Strand	+
Start	4783	End	5545
Name	OJ000229_07.0412.C5.o3.gs	Method	GENSCAN
Start	4783	End	5545
GI	none	Score	.73
Exons	4783..5436, 5474..5545		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82652	Strand	+

Start	4783	End	5545
Name	OJ000229_07.0412.C5.o4.gp	Method	AAT/GAP
Start	5070	End	5474
GI	LIB3434-038-P1-K1-D6	Score	742
Exons	5070..5474		
GI Descrip.	'5926718/dbj|BAA84640.1| 4.0e-20 (AB007911) PRA2 [Pisum sativum]'		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82653	Strand	+
Start	14715	End	15920
Name	OJ000229_07.0412.C5.o4.np	Method	AAT/NAP
Start	14715	End	15920
GI	2126090	Score	2114
Exons	14715..15920		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82654	Strand	-
Start	135	End	580
Name	OJ000229_07.0412.C5.o1.gp	Method	AAT/GAP
Start	135	End	580
GI	none	Score	892
Exons	135..580		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82655	Strand	-
Start	553	End	1258
Name	OJ000229_07.0412.C5.o1.np	Method	AAT/NAP
Start	550	End	1032
GI	6983866	Score	215
Exons	550..769, 878..1032		
GI Descrip.	(AP001168) ESTs C26056(C11550),AU082131(C11550) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana DNA chromosome 4, ESSA I FCA contig fragment No. 8; hypothetical protein (Z97343) [Oryza sativa]		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82655	Strand	-
Start	553	End	1258
Name	OJ000229_07.0412.C5.o1.gs	Method	GENSCAN
Start	553	End	1071
GI	none	Score	.88
Exons	553..769, 878..1071		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82655	Strand	-
Start	553	End	1258
Name	OJ000229_07.0412.C5.o2.gp	Method	AAT/GAP
Start	961	End	1258
GI	4969273	Score	587
Exons	961..1258		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o1.tc	Method	TBLASTX:Cress
Start	4786	End	5313
GI	none	Score	557
Exons	4786..5313, 4818..5054		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o2.tm	Method	TBLASTX:Maize
Start	4786	End	5313
GI	none	Score	549
Exons	4786..5313, 4818..5054, 5118..5285		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o1.tw	Method	TBLASTX:Wheat
Start	4789	End	5058
GI	none	Score	410
Exons	4789..5058, 4818..5057		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o2.ts	Method	TBLASTX:Soybean
Start	4795	End	5313
GI	none	Score	556
Exons	4795..5313, 4818..5297		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o4.tw	Method	TBLASTX:Wheat
Start	5062	End	5313
GI	none	Score	193
Exons	5062..5313		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o5.gp	Method	AAT/GAP
Start	5864	End	6688
GI	14207_2.R1084	Score	982
Exons	5864..6284, 6607..6688		
GI Descrip.	'4469019/emb|CAB38280| 3.0e-14 (AL035602) putative protein [Arabidopsis thaliana]'		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o4.gs	Method	GENSCAN
Start	5939	End	9841
GI	none	Score	.95

Exons	5939..6100, 6147..6284, 6607..6902, 8239..8397, 8488..8788, 8877..9104, 9809..9841		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o3.tm	Method	TBLASTX:Maize
Start	5968	End	6748
GI	none	Score	73
Exons	5968..6021, 5968..6021, 5969..6025, 6025..6201, 6026..6193, 6071..6214, 6099..6224, 6100..6198, 6210..6290, 6214..6282, 6606..6710, 6607..6747, 6608..6748		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o3.np	Method	AAT/NAP
Start	6039	End	9074
GI	7487509	Score	1318
Exons	6039..6284, 6607..6902, 8239..8397, 8488..8788, 8877..9074		
GI Descrip.	hypothetical protein T29A15.170 - Arabidopsis thaliana gi|4469019|emb|CAB38280.1| (AL035602) putative protein [Arabidopsis thaliana] gi|7269622|emb|CAB81418.1| (AL161571) putative protein [Arabidopsis thaliana]		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o1.ts	Method	TBLASTX:Soybean
Start	6210	End	9074
GI	none	Score	113
Exons	6210..6281, 6610..6903, 6620..6763, 6628..6900, 6830..6901, 8074..8121, 8234..8392, 8237..8398, 8241..8402, 8489..8527, 8489..8788, 8490..8789, 8875..8988, 8877..9074		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o4.tc	Method	TBLASTX:Cress
Start	6610	End	6904
GI	none	Score	63
Exons	6610..6903, 6818..6904		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o3.tw	Method	TBLASTX:Wheat
Start	6622	End	8305
GI	none	Score	73
Exons	6622..6903, 8234..8305		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o6.gp	Method	AAT/GAP
Start	6693	End	8412
GI	LIB3433-055-P1-K1-A11	Score	704

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Exons        6693..6902, 8239..8412
GI Descrip.  '4469019/emb|CAB38280| 3.0e-52 (AL035602) putative protein
             [Arabidopsis thaliana]'

Seq. No.     39961                         Seq. ID   OJ000229_07.0412.C5
Gene No.     82656                         Strand    -
Start        5939                          End       9841
Name         OJ000229_07.0412.C5.o1.tm     Method    TBLASTX:Maize
Start        6750                          End       9069
GI           none                          Score     141
Exons        6750..6836, 6751..6900, 6751..6903, 8234..8398, 8237..8398,
             8241..8408, 8489..8788, 8490..8789, 8696..8791, 8875..9069,
             8877..9068

Seq. No.     39961                         Seq. ID   OJ000229_07.0412.C5
Gene No.     82656                         Strand    -
Start        5939                          End       9841
Name         OJ000229_07.0412.C5.o2.tc     Method    TBLASTX:Cress
Start        8234                          End       8773
GI           none                          Score     131
Exons        8234..8305, 8315..8398, 8492..8773, 8493..8651

Seq. No.     39961                         Seq. ID   OJ000229_07.0412.C5
Gene No.     82656                         Strand    -
Start        5939                          End       9841
Name         OJ000229_07.0412.C5.o2.tw     Method    TBLASTX:Wheat
Start        8492                          End       8782
GI           none                          Score     140
Exons        8492..8782, 8493..8774

Seq. No.     39961                         Seq. ID   OJ000229_07.0412.C5
Gene No.     82656                         Strand    -
Start        5939                          End       9841
Name         OJ000229_07.0412.C5.o7.gp     Method    AAT/GAP
Start        8517                          End       8937
GI           LIB3434-031-P1-K1-H7          Score     601
Exons        8517..8788, 8877..8937
GI Descrip.  '4469019/emb|CAB38280| 6.0e-49 (AL035602) putative protein
             [Arabidopsis thaliana]'

Seq. No.     39961                         Seq. ID   OJ000229_07.0412.C5
Gene No.     82656                         Strand    -
Start        5939                          End       9841
Name         OJ000229_07.0412.C5.o3.tc     Method    TBLASTX:Cress
Start        8875                          End       9074
GI           none                          Score     124
Exons        8875..8988, 8877..9074

Seq. No.     39962                         Seq. ID   OJ000229_07.0412.C7
Gene No.     82657                         Strand    +
Start        1                             End       2360
Name         OJ000229_07.0412.C7.o1.np     Method    AAT/NAP
Start        1                             End       2360
GI           2583130                       Score     1331
Exons        1..2360
GI Descrip.  (AC002387) putative non-LTR retroelement reverse transcriptase
             [Arabidopsis thaliana]
```

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o2.np	Method	AAT/NAP
Start	1	End	2360
GI	4582447	Score	1340
Exons	1..2360		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o1.gs	Method	GENSCAN
Start	105	End	2250
GI	none	Score	.4
Exons	105..706, 903..931, 1029..1295, 1677..1982, 1995..2250		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o2.tm	Method	TBLASTX:Maize
Start	489	End	1126
GI	none	Score	97
Exons	489..653, 677..952, 679..816, 847..903, 980..1126		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o1.tw	Method	TBLASTX:Wheat
Start	534	End	913
GI	none	Score	144
Exons	534..650, 536..625, 546..632, 641..751, 644..754, 718..837, 732..896, 739..912, 746..913		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o2.ts	Method	TBLASTX:Soybean
Start	677	End	964
GI	none	Score	192
Exons	677..964		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o2.tw	Method	TBLASTX:Wheat
Start	1084	End	1501
GI	none	Score	366
Exons	1084..1467, 1085..1468, 1451..1501		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o1.ts	Method	TBLASTX:Soybean
Start	1205	End	1624

GI	none	Score	127
Exons	1205..1405, 1409..1624		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o1.tm	Method	TBLASTX:Maize
Start	1280	End	1630
GI	none	Score	302
Exons	1280..1630, 1315..1629		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o4.tw	Method	TBLASTX:Wheat
Start	1507	End	1690
GI	none	Score	203
Exons	1507..1689, 1508..1690		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o3.tw	Method	TBLASTX:Wheat
Start	2042	End	2344
GI	none	Score	206
Exons	2042..2344, 2071..2241		

Seq. No.	39963	Seq. ID	OJ000229_07.0412.C12
Gene No.	82658	Strand	-
Start	1	End	794
Name	OJ000229_07.0412.C12.o1.np	Method	AAT/NAP
Start	1	End	794
GI	4582447	Score	493
Exons	1..794		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39963	Seq. ID	OJ000229_07.0412.C12
Gene No.	82658	Strand	-
Start	1	End	794
Name	OJ000229_07.0412.C12.o1.tw	Method	TBLASTX:Wheat
Start	1	End	230
GI	none	Score	127
Exons	1..156, 3..230		

Seq. No.	39963	Seq. ID	OJ000229_07.0412.C12
Gene No.	82658	Strand	-
Start	1	End	794
Name	OJ000229_07.0412.C12.o2.ts	Method	TBLASTX:Soybean
Start	15	End	254
GI	none	Score	180
Exons	15..254		

Seq. No.	39963	Seq. ID	OJ000229_07.0412.C12
Gene No.	82658	Strand	-
Start	1	End	794
Name	OJ000229_07.0412.C12.o1.ts	Method	TBLASTX:Soybean

Start	315	End	698
GI	none	Score	64
Exons	315..614, 316..393, 597..698		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82659	Strand	+
Start	8347	End	10473
Name	OJ000229_07.0412.C13.o3.np	Method	AAT/NAP
Start	8341	End	10473
GI	7484856	Score	816
Exons	8341..8460, 8494..8542, 8623..8906, 8988..9429, 9558..9656, 9772..9970, 10117..10473		
GI Descrip.	cellulase (EC 3.2.1.4) T21L14.7 - Arabidopsis thaliana gi|2702268|gb|AAB91971.1| (AC003033) putative glucanse [Arabidopsis thaliana]		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82659	Strand	+
Start	8347	End	10473
Name	OJ000229_07.0412.C13.o3.gs	Method	GENSCAN
Start	8347	End	10446
GI	none	Score	.93
Exons	8347..8542, 8623..8906, 8988..9422, 9538..9682, 9804..9970, 10117..10446		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82660	Strand	-
Start	150	End	3623
Name	OJ000229_07.0412.C13.o1.gp	Method	AAT/GAP
Start	150	End	3623
GI	18666_1.R1084	Score	2190
Exons	150..539, 629..700, 787..990, 1092..1169, 1524..1612, 2285..2335, 2621..2782, 3473..3623		
GI Descrip.	'4803927/gb|AAD29800.1|AC006264_8 6.0e-73 (AC006264) signal sequence receptor, alpha subunit (SSR-alpha) [Arabidopsis thaliana]'		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82660	Strand	-
Start	150	End	3623
Name	OJ000229_07.0412.C13.o1.np	Method	AAT/NAP
Start	489	End	3518
GI	1174448	Score	518
Exons	489..539, 629..700, 787..990, 1092..1169, 1524..1612, 2285..2335, 2621..2782, 3473..3518		
GI Descrip.	TRANSLOCON-ASSOCIATED PROTEIN, ALPHA SUBUNIT PRECURSOR (TRAP-ALPHA) (SIGNAL SEQUENCE RECEPTOR ALPHA SUBUNIT) (SSR-ALPHA) gi|547391|gb|AAA21820.1| (L32016) alpha-subunit; putative [Arabidopsis thaliana]		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82660	Strand	-
Start	150	End	3623
Name	OJ000229_07.0412.C13.o1.gs	Method	GENSCAN
Start	629	End	3545
GI	none	Score	.98
Exons	629..700, 787..990, 1092..1169, 1524..1612, 2285..2335,		

2621..2782, 3473..3545

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82661	Strand	-
Start	4033	End	7054
Name	OJ000229_07.0412.C13.o2.gp	Method	AAT/GAP
Start	4033	End	6460
GI	21438_1.R1084	Score	1505
Exons	4033..4366, 4488..4722, 6192..6460		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82661	Strand	-
Start	4033	End	7054
Name	OJ000229_07.0412.C13.o2.gs	Method	GENSCAN
Start	4551	End	7039
GI	none	Score	.91
Exons	4551..4722, 6192..7039		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82661	Strand	-
Start	4033	End	7054
Name	OJ000229_07.0412.C13.o2.np	Method	AAT/NAP
Start	4551	End	7054
GI	4406819	Score	731
Exons	4551..4722, 6192..7054		
GI Descrip.	(AC006201) unknown protein [Arabidopsis thaliana]		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82661	Strand	-
Start	4033	End	7054
Name	OJ000229_07.0412.C13.o3.gp	Method	AAT/GAP
Start	6699	End	6994
GI	uC-osflcyp006b06b1	Score	561
Exons	6699..6994		
GI Descrip.	'4406819/gb|AAD20127| 8.0e-13 (AC006201) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o3.tm	Method	TBLASTX:Maize
Start	405	End	2784
GI	none	Score	103
Exons	405..473, 408..506, 409..546, 500..541, 607..705, 629..700, 630..710, 787..996, 788..997, 811..1032, 1092..1181, 1093..1170, 1493..1558, 1524..1613, 1524..1613, 1525..1614, 1588..1614, 2277..2336, 2283..2387, 2622..2783, 2622..2783, 2623..2784		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o3.ts	Method	TBLASTX:Soybean
Start	493	End	2783
GI	none	Score	43
Exons	493..519, 493..519, 629..700, 633..701, 787..996, 791..997,		

1092..1181, 1093..1182, 1503..1613, 1524..1634, 2277..2336, 2622..2783, 2623..2721, 2628..2729

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o2.tc	Method	TBLASTX:Cress
Start	629	End	1580
GI	none	Score	64
Exons	629..700, 630..701, 787..996, 812..997, 857..1000, 1092..1196, 1093..1161, 1527..1580		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o4.tc	Method	TBLASTX:Cress
Start	4554	End	6442
GI	none	Score	124
Exons	4554..4733, 6191..6430, 6191..6442, 6213..6437		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o2.ts	Method	TBLASTX:Soybean
Start	6184	End	6613
GI	none	Score	65
Exons	6184..6456, 6191..6613, 6213..6578, 6245..6595		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o1.tm	Method	TBLASTX:Maize
Start	6191	End	6798
GI	none	Score	48
Exons	6191..6253, 6213..6242, 6224..6673, 6225..6599, 6242..6637, 6669..6797, 6680..6796, 6685..6798		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o5.ts	Method	TBLASTX:Soybean
Start	6651	End	6976
GI	none	Score	178
Exons	6651..6872, 6665..6976		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o1.ts	Method	TBLASTX:Soybean
Start	8365	End	9173
GI	none	Score	55
Exons	8365..8439, 8478..8561, 8479..8553, 8607..8909, 8607..8789, 8624..8908, 8982..9173, 8987..9160		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654

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Name        OJ000229_07.0412.C13.o2.tm    Method    TBLASTX:Maize
Start       8365                          End       9086
GI          none                          Score     59
Exons       8365..8421, 8478..8540, 8479..8553, 8605..8715, 8607..8909,
            8607..8741, 8621..8908, 8982..9086, 8984..9082

Seq. No.    39964                         Seq. ID   OJ000229_07.0412.C13
Gene No.    82662                         Strand    -
Start       11337                         End       11654
Name        OJ000229_07.0412.C13.o1.tc    Method    TBLASTX:Cress
Start       8646                          End       9167
GI          none                          Score     62
Exons       8646..8702, 8699..8908, 8700..8909, 8982..9167, 8984..9160

Seq. No.    39964                         Seq. ID   OJ000229_07.0412.C13
Gene No.    82662                         Strand    -
Start       11337                         End       11654
Name        OJ000229_07.0412.C13.o4.ts    Method    TBLASTX:Soybean
Start       9177                          End       10439
GI          none                          Score     216
Exons       9177..9356, 9182..9349, 9357..9425, 9374..9424, 9535..9666,
            9612..9677, 9796..9966, 9806..9970, 10093..10239, 10116..10238,
            10239..10439, 10240..10377

Seq. No.    39964                         Seq. ID   OJ000229_07.0412.C13
Gene No.    82662                         Strand    -
Start       11337                         End       11654
Name        OJ000229_07.0412.C13.o4.tm    Method    TBLASTX:Maize
Start       9216                          End       10466
GI          none                          Score     168
Exons       9216..9356, 9236..9355, 9357..9425, 9365..9424, 9535..9684,
            9537..9683, 9796..9966, 9803..9970, 9827..9988, 10089..10466,
            10093..10377

Seq. No.    39964                         Seq. ID   OJ000229_07.0412.C13
Gene No.    82662                         Strand    -
Start       11337                         End       11654
Name        OJ000229_07.0412.C13.o3.tc    Method    TBLASTX:Cress
Start       9330                          End       10439
GI          none                          Score     81
Exons       9330..9425, 9508..9564, 9610..9666, 9612..9677, 9796..9984,
            9803..9970, 10114..10239, 10116..10235, 10239..10439,
            10240..10377

Seq. No.    39964                         Seq. ID   OJ000229_07.0412.C13
Gene No.    82662                         Strand    -
Start       11337                         End       11654
Name        OJ000229_07.0412.C13.o1.tw    Method    TBLASTX:Wheat
Start       9812                          End       10368
GI          none                          Score     104
Exons       9812..9985, 9833..9973, 10114..10224, 10131..10217,
            10242..10367, 10243..10368

Seq. No.    39964                         Seq. ID   OJ000229_07.0412.C13
Gene No.    82662                         Strand    -
Start       11337                         End       11654
Name        OJ000229_07.0412.C13.o5.tm    Method    TBLASTX:Maize
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Start	11325	End	11543
GI	none	Score	204
Exons	11325..11543, 11347..11541		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o4.gs	Method	GENSCAN
Start	11337	End	11654
GI	none	Score	.95
Exons	11337..11654		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o5.tc	Method	TBLASTX:Cress
Start	11346	End	11573
GI	none	Score	149
Exons	11346..11573, 11407..11568		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o6.ts	Method	TBLASTX:Soybean
Start	11358	End	11564
GI	none	Score	167
Exons	11358..11564, 11389..11547		

Seq. No.	39965	Seq. ID	OJ000229_07.0412.C15
Gene No.	82663	Strand	+
Start	1	End	1946
Name	OJ000229_07.0412.C15.o1.np	Method	AAT/NAP
Start	1	End	1946
GI	3668086	Score	341
Exons	1..29, 318..410, 697..789, 886..926, 1092..1189, 1341..1420, 1812..1946		
GI Descrip.	(AC004667) unknown protein [Arabidopsis thaliana]		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82664	Strand	+
Start	1	End	1867
Name	OJ000229_07.0412.C17.o1.np	Method	AAT/NAP
Start	1	End	1867
GI	6069646	Score	807
Exons	1..27, 210..602, 885..1867		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82664	Strand	+
Start	1	End	1867
Name	OJ000229_07.0412.C17.o1.gs	Method	GENSCAN
Start	82	End	668
GI	none	Score	.89

Exons	82..194, 255..668		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o1.tm	Method	TBLASTX:Maize
Start	206	End	821
GI	none	Score	127
Exons	206..295, 210..350, 366..821, 368..820		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o8.tw	Method	TBLASTX:Wheat
Start	459	End	899
GI	none	Score	182
Exons	459..758, 464..649, 770..895, 771..899		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o6.tm	Method	TBLASTX:Maize
Start	833	End	1196
GI	none	Score	213
Exons	833..1093, 834..1106, 1113..1196		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o5.tm	Method	TBLASTX:Maize
Start	1293	End	1840
GI	none	Score	96
Exons	1293..1382, 1392..1415, 1417..1539, 1418..1642, 1634..1840, 1652..1771		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o2.gs	Method	GENSCAN
Start	1802	End	9061
GI	none	Score	.63
Exons	1802..1849, 2249..2528, 2665..2874, 3205..3277, 3711..6528, 6664..7647, 7707..9061		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o1.gp	Method	AAT/GAP
Start	3283	End	3587
GI	5816559	Score	457
Exons	3283..3587		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+

Start	1802	End	9075
Name	OJ000229_07.0412.C17.o2.np	Method	AAT/NAP
Start	3715	End	9075
GI	5922631	Score	5559
Exons	3715..3839, 4098..4345, 4595..4804, 4850..5414, 5457..5605, 5732..6655, 7262..9075		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o6.tw	Method	TBLASTX:Wheat
Start	5019	End	5421
GI	none	Score	294
Exons	5019..5288, 5020..5421		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o1.tw	Method	TBLASTX:Wheat
Start	5995	End	6792
GI	none	Score	150
Exons	5995..6177, 6058..6171, 6216..6452, 6220..6450, 6499..6792, 6564..6788		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o8.tm	Method	TBLASTX:Maize
Start	6303	End	6450
GI	none	Score	182
Exons	6303..6449, 6304..6450		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o3.ts	Method	TBLASTX:Soybean
Start	6712	End	7077
GI	none	Score	138
Exons	6712..6936, 6943..7077		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o7.tw	Method	TBLASTX:Wheat
Start	6793	End	7026
GI	none	Score	279
Exons	6793..7026, 6813..7025, 6814..7026		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+

Start	1802	End	9075
Name	OJ000229_07.0412.C17.o3.tm	Method	TBLASTX:Maize
Start	6802	End	7158
GI	none	Score	372
Exons	6802..7158, 6843..7148		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o2.tw	Method	TBLASTX:Wheat
Start	7027	End	7446
GI	none	Score	468
Exons	7027..7446, 7027..7242, 7029..7445		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o1.ts	Method	TBLASTX:Soybean
Start	7291	End	7695
GI	none	Score	318
Exons	7291..7695, 7338..7481, 7518..7688		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o4.tm	Method	TBLASTX:Maize
Start	7390	End	7832
GI	none	Score	264
Exons	7390..7644, 7414..7590, 7422..7643, 7665..7796, 7706..7795, 7806..7832		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o5.tw	Method	TBLASTX:Wheat
Start	7491	End	7919
GI	none	Score	205
Exons	7491..7676, 7492..7710, 7698..7919, 7706..7762		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o2.ts	Method	TBLASTX:Soybean
Start	7947	End	8335
GI	none	Score	88
Exons	7947..8051, 7955..8335, 8091..8333		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o3.tw	Method	TBLASTX:Wheat
Start	7956	End	8378
GI	none	Score	417
Exons	7956..8378, 7964..8368		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+

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Start         1802                          End      9075
Name          OJ000229_07.0412.C17.o7.tm    Method   TBLASTX:Maize
Start         8009                          End      8282
GI            none                          Score    126
Exons         8009..8179, 8010..8180, 8184..8282, 8216..8281

Seq. No.      39966                         Seq. ID  OJ000229_07.0412.C17
Gene No.      82665                         Strand   +
Start         1802                          End      9075
Name          OJ000229_07.0412.C17.o9.tw    Method   TBLASTX:Wheat
Start         8394                          End      8693
GI            none                          Score    134
Exons         8394..8528, 8553..8693

Seq. No.      39966                         Seq. ID  OJ000229_07.0412.C17
Gene No.      82665                         Strand   +
Start         1802                          End      9075
Name          OJ000229_07.0412.C17.o2.tm    Method   TBLASTX:Maize
Start         8690                          End      9053
GI            none                          Score    449
Exons         8690..9001, 8691..9014, 8711..9025, 9005..9052, 9006..9053

Seq. No.      39966                         Seq. ID  OJ000229_07.0412.C17
Gene No.      82665                         Strand   +
Start         1802                          End      9075
Name          OJ000229_07.0412.C17.o4.tw    Method   TBLASTX:Wheat
Start         8696                          End      9074
GI            none                          Score    403
Exons         8696..9007, 8697..9074, 8898..9071, 9038..9073

Seq. No.      39967                         Seq. ID  OJ000229_07.0412.C18
Gene No.      82666                         Strand   -
Start         1                             End      715
Name          OJ000229_07.0412.C18.o1.np    Method   AAT/NAP
Start         1                             End      715
GI            5902447                       Score    899
Exons         1..715
GI Descrip.   (AB030283) orf4 [Oryza sativa]

Seq. No.      39967                         Seq. ID  OJ000229_07.0412.C18
Gene No.      82666                         Strand   -
Start         1                             End      715
Name          OJ000229_07.0412.C18.o1.gs    Method   GENSCAN
Start         27                            End      591
GI            none                          Score    .89
Exons         27..358, 441..591

Seq. No.      39967                         Seq. ID  OJ000229_07.0412.C18
Gene No.      82667                         Strand   -
Start         805                           End      885
Name          OJ000229_07.0412.C18.o2.np    Method   AAT/NAP
Start         805                           End      885
GI            5902448                       Score    137
Exons         805..885
GI Descrip.   (AB030283) orf3 [Oryza sativa]

Seq. No.      39968                         Seq. ID  OJ000229_07.0412.C19
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Gene No.	82668	Strand	+
Start	103	End	441
Name	OJ000229_07.0412.C19.o1.gs	Method	GENSCAN
Start	103	End	441
GI	none	Score	.83
Exons	103..441		

Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o1.np	Method	AAT/NAP
Start	1653	End	3033
GI	6978915	Score	354
Exons	1653..1818, 2558..2614, 2699..2789, 2895..3033		
GI Descrip.	(AC021665) unknown protein [Arabidopsis thaliana]		

Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o1.ts	Method	TBLASTX:Soybean
Start	1694	End	2949
GI	none	Score	127
Exons	1694..1789, 1698..1820, 1698..1820, 2554..2613, 2556..2618, 2557..2622, 2698..2817, 2698..2772, 2706..2801, 2905..2949		

Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o2.gs	Method	GENSCAN
Start	1695	End	1818
GI	none	Score	.48
Exons	1695..1818		

Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o1.tm	Method	TBLASTX:Maize
Start	1706	End	3033
GI	none	Score	110
Exons	1706..1783, 1710..1820, 1710..1820, 2556..2606, 2556..2615, 2557..2622, 2676..2783, 2688..2789, 2698..2787, 2905..3033		

Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o1.tw	Method	TBLASTX:Wheat
Start	2693	End	3033
GI	none	Score	141
Exons	2693..2785, 2694..2789, 2695..2787, 2904..3032, 2905..3033		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82670	Strand	+
Start	1	End	1589
Name	OJ000229_07.0412.C20.o1.np	Method	AAT/NAP
Start	1	End	1580
GI	4803931	Score	249
Exons	1..67, 290..382, 470..603, 1520..1580		

GI Descrip. (AC006264) unknown protein-[Arabidopsis thaliana]

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82670	Strand	+
Start	1	End	1589
Name	OJ000229_07.0412.C20.o1.gs	Method	GENSCAN
Start	290	End	1589
GI	none	Score	.99
Exons	290..382, 470..587, 1465..1589		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o2.tm	Method	TBLASTX:Maize
Start	287	End	583
GI	none	Score	147
Exons	287..382, 287..382, 289..384, 289..384, 449..583, 467..565, 468..572		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o1.tc	Method	TBLASTX:Cress
Start	314	End	571
GI	none	Score	96
Exons	314..382, 314..382, 316..384, 449..571		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o3.tm	Method	TBLASTX:Maize
Start	1453	End	1754
GI	none	Score	187
Exons	1453..1590, 1467..1589, 1469..1600, 1469..1603, 1677..1754, 1681..1737		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o2.gs	Method	GENSCAN
Start	3712	End	5411
GI	none	Score	.74
Exons	3712..3825, 3897..3984, 4053..4233, 4490..4580, 4960..5058, 5331..5411		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o1.tm	Method	TBLASTX:Maize
Start	3742	End	6240
GI	none	Score	103
Exons	3742..3831, 3744..3830, 3894..3983, 3897..3983, 4046..4231, 4054..4242, 4055..4234, 4490..4585, 4491..4580, 4493..4585, 4832..4864, 4841..4885, 4960..5001, 4960..5004, 4986..5066, 4993..5061, 5070..5087, 6085..6126, 6108..6230, 6112..6228, 6121..6240		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o1.ts	Method	TBLASTX:Soybean
Start	3939	End	6230
GI	none	Score	64
Exons	3939..3980, 4046..4234, 4497..4580, 4514..4585, 4956..5060, 4963..5061, 6085..6228, 6093..6230		

Seq. No.	39970	Seq. ID	OJ000229_07.0412.C21
Gene No.	82672	Strand	
Start	264	End	757
Name	OJ000229_07.0412.C21.o1.tm	Method	TBLASTX:Maize
Start	264	End	757
GI	none	Score	138
Exons	264..353, 265..357, 280..360, 425..484, 428..484, 429..485, 603..737, 635..742, 671..757		

Seq. No.	39971	Seq. ID	OJ000229_07.0412.C23
Gene No.	82673	Strand	-
Start	2635	End	4007
Name	OJ000229_07.0412.C23.o1.gp	Method	AAT/GAP
Start	2635	End	3359
GI	73337_1.R1084	Score	1308
Exons	2635..3359		
GI Descrip.	'3831443 5.0e-10 (AC005819) putative auxin-regulated protein [Arabidopsis thaliana]'		

Seq. No.	39971	Seq. ID	OJ000229_07.0412.C23
Gene No.	82673	Strand	-
Start	2635	End	4007
Name	OJ000229_07.0412.C23.o1.np	Method	AAT/NAP
Start	2771	End	4007
GI	3831443	Score	181
Exons	2771..2830, 2864..3126, 3944..4007		
GI Descrip.	(AC005819) putative auxin-regulated protein [Arabidopsis thaliana]		

Seq. No.	39971	Seq. ID	OJ000229_07.0412.C23
Gene No.	82673	Strand	-
Start	2635	End	4007
Name	OJ000229_07.0412.C23.o1.tm	Method	TBLASTX:Maize
Start	2885	End	3199
GI	none	Score	131
Exons	2885..3031, 2910..3188, 3104..3199		

Seq. No.	39972	Seq. ID	OJ000229_07.0412.C24
Gene No.	82674	Strand	+
Start	544	End	1532
Name	OJ000229_07.0412.C24.o1.gs	Method	GENSCAN
Start	544	End	1532
GI	none	Score	.69
Exons	544..662, 1448..1532		

Seq. No.	39973	Seq. ID	OJ000229_07.0412.C25
Gene No.	82675	Strand	-
Start	342	End	517

Name	OJ000229_07.0412.C25.o1.gs	Method	GENSCAN
Start	342	End	517
GI	none	Score	.66
Exons	342..395, 452..517		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82676	Strand	+
Start	1	End	4919
Name	OJ000229_07.0412.C26.o1.gp	Method	AAT/GAP
Start	1	End	2059
GI	17876_1.R1084	Score	1910
Exons	1..146, 600..716, 1021..1097, 1193..1237, 1362..2059		
GI Descrip.	'5091616/gb|AAD39604.1|AC007454_3 1.0e-52 (AC007454) F23M19.3 [Arabidopsis thaliana]'		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82676	Strand	+
Start	1	End	4919
Name	OJ000229_07.0412.C26.o1.np	Method	AAT/NAP
Start	1	End	3744
GI	5091616	Score	329
Exons	1..146, 600..726, 1031..1097, 1193..1237, 1362..1700, 3721..3744		
GI Descrip.	(AC007454) F23M19.3 [Arabidopsis thaliana]		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82676	Strand	+
Start	1	End	4919
Name	OJ000229_07.0412.C26.o1.gs	Method	GENSCAN
Start	1048	End	4919
GI	none	Score	.79
Exons	1048..1097, 1362..1838, 2203..2487, 2514..2673, 3129..3213, 3258..3388, 4028..4170, 4718..4919		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82677	Strand	+
Start	5290	End	5691
Name	OJ000229_07.0412.C26.o4.gp	Method	AAT/GAP
Start	5233	End	5586
GI	2428262	Score	659
Exons	5233..5586		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82677	Strand	+
Start	5290	End	5691
Name	OJ000229_07.0412.C26.o2.gs	Method	GENSCAN
Start	5290	End	5691
GI	none	Score	.54
Exons	5290..5691		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82678	Strand	+
Start	7857	End	9881
Name	OJ000229_07.0412.C26.o2.np	Method	AAT/NAP
Start	7833	End	9881
GI	6721098	Score	688
Exons	7833..8269, 8300..8632, 9831..9881		
GI Descrip.	(AC007396) T4O12.3 [Arabidopsis thaliana]		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82678	Strand	+
Start	7857	End	9881
Name	OJ000229_07.0412.C26.o3.gs	Method	GENSCAN
Start	7857	End	9331
GI	none	Score	.68
Exons	7857..8632, 9229..9331		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82679	Strand	+
Start	12519	End	12963
Name	OJ000229_07.0412.C26.o3.np	Method	AAT/NAP
Start	12519	End	12963
GI	5902448	Score	743
Exons	12519..12963		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82679	Strand	+
Start	12519	End	12963
Name	OJ000229_07.0412.C26.o5.gs	Method	GENSCAN
Start	12519	End	12910
GI	none	Score	.99
Exons	12519..12910		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82680	Strand	-
Start	2179	End	2922
Name	OJ000229_07.0412.C26.o3.gp	Method	AAT/GAP
Start	2179	End	2922
GI	6547_1.R1084	Score	783
Exons	2179..2364, 2577..2922		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o3.tm	Method	TBLASTX:Maize
Start	2661	End	2927
GI	none	Score	111
Exons	2661..2792, 2667..2708, 2673..2771, 2714..2776, 2730..2831, 2772..2807, 2796..2861, 2808..2861, 2808..2834, 2850..2924, 2886..2927		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o2.tm	Method	TBLASTX:Maize
Start	5415	End	5598
GI	none	Score	259
Exons	5415..5543, 5416..5598		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508

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Name          OJ000229_07.0412.C26.o1.tw    Method   TBLASTX:Wheat
Start         5416                          End      5586
GI            none                          Score    176
Exons         5416..5535, 5422..5517, 5478..5534, 5512..5586

Seq. No.      39974                         Seq. ID  OJ000229_07.0412.C26
Gene No.      82681                         Strand   -
Start         10161                         End      10508
Name          OJ000229_07.0412.C26.o2.ts    Method   TBLASTX:Soybean
Start         5425                          End      5691
GI            none                          Score    113
Exons         5425..5520, 5530..5598, 5668..5691

Seq. No.      39974                         Seq. ID  OJ000229_07.0412.C26
Gene No.      82681                         Strand   -
Start         10161                         End      10508
Name          OJ000229_07.0412.C26.o1.ts    Method   TBLASTX:Soybean
Start         7869                          End      8591
GI            none                          Score    400
Exons         7869..8183, 7886..8179, 8214..8264, 8321..8365, 8322..8381,
              8433..8591, 8453..8590

Seq. No.      39974                         Seq. ID  OJ000229_07.0412.C26
Gene No.      82681                         Strand   -
Start         10161                         End      10508
Name          OJ000229_07.0412.C26.o1.tm    Method   TBLASTX:Maize
Start         7878                          End      8162
GI            none                          Score    247
Exons         7878..8084, 7880..8068, 8079..8162, 8084..8161

Seq. No.      39974                         Seq. ID  OJ000229_07.0412.C26
Gene No.      82681                         Strand   -
Start         10161                         End      10508
Name          OJ000229_07.0412.C26.o1.tc    Method   TBLASTX:Cress
Start         7886                          End      8585
GI            none                          Score    387
Exons         7886..8185, 7887..8183, 8214..8264, 8322..8381, 8433..8585,
              8438..8584

Seq. No.      39974                         Seq. ID  OJ000229_07.0412.C26
Gene No.      82681                         Strand   -
Start         10161                         End      10508
Name          OJ000229_07.0412.C26.o4.tw    Method   TBLASTX:Wheat
Start         7922                          End      8381
GI            none                          Score    47
Exons         7922..7945, 7923..7946, 8040..8117, 8042..8140, 8117..8179,
              8121..8183, 8214..8258, 8337..8381

Seq. No.      39974                         Seq. ID  OJ000229_07.0412.C26
Gene No.      82681                         Strand   -
Start         10161                         End      10508
Name          OJ000229_07.0412.C26.o2.tw    Method   TBLASTX:Wheat
Start         8433                          End      9823
GI            none                          Score    221
Exons         8433..8585, 8438..8587, 9770..9823

Seq. No.      39974                         Seq. ID  OJ000229_07.0412.C26
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Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o4.tm	Method	TBLASTX:Maize
Start	8433	End	8582
GI	none	Score	200
Exons	8433..8582, 8438..8581		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o4.gs	Method	GENSCAN
Start	10161	End	10508
GI	none	Score	.41
Exons	10161..10508		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82682	Strand	
Start	12639	End	12929
Name	OJ000229_07.0412.C26.o3.tw	Method	TBLASTX:Wheat
Start	12639	End	12929
GI	none	Score	211
Exons	12639..12929		

Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82683	Strand	+
Start	76	End	537
Name	OJ000229_07.0412.C27.o1.np	Method	AAT/NAP
Start	76	End	534
GI	5902446	Score	684
Exons	76..534		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82683	Strand	+
Start	76	End	537
Name	OJ000229_07.0412.C27.o1.gs	Method	GENSCAN
Start	89	End	537
GI	none	Score	.68
Exons	89..537		

Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82684	Strand	-
Start	854	End	1086
Name	OJ000229_07.0412.C27.o2.gs	Method	GENSCAN
Start	854	End	1038
GI	none	Score	1
Exons	854..1038		

Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82684	Strand	-
Start	854	End	1086
Name	OJ000229_07.0412.C27.o2.np	Method	AAT/NAP
Start	857	End	1086
GI	5902445	Score	393
Exons	857..1086		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82684	Strand	-
Start	854	End	1086
Name	OJ000229_07.0412.C27.o1.tm	Method	TBLASTX:Maize
Start	905	End	1084
GI	none	Score	102
Exons	905..1006, 906..1007, 986..1084, 987..1037		

Seq. No.	39976	Seq. ID	OJ000229_07.0412.C29
Gene No.	82685	Strand	-
Start	1	End	756
Name	OJ000229_07.0412.C29.o1.np	Method	AAT/NAP
Start	1	End	756
GI	7488319	Score	289
Exons	1..756		
GI Descrip.	RNA-directed DNA polymerase homolog T13L16.7 - Arabidopsis thaliana (fragment)		

Seq. No.	39976	Seq. ID	OJ000229_07.0412.C29
Gene No.	82685	Strand	-
Start	1	End	756
Name	OJ000229_07.0412.C29.o1.tw	Method	TBLASTX:Wheat
Start	268	End	654
GI	none	Score	65
Exons	268..459, 317..460, 336..470, 463..654, 524..637		

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82686	Strand	-
Start	209	End	2753
Name	OJ000229_07.0412.C31.o1.np	Method	AAT/NAP
Start	209	End	2230
GI	4587533	Score	262
Exons	209..322, 427..519, 614..914, 2209..2230		
GI Descrip.	(AC007060) EST gb|AA721821 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82686	Strand	-
Start	209	End	2753
Name	OJ000229_07.0412.C31.o1.gs	Method	GENSCAN
Start	1298	End	2753
GI	none	Score	.69
Exons	1298..1516, 2592..2753		

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82687	Strand	-
Start	4436	End	4542
Name	OJ000229_07.0412.C31.o1.tm	Method	TBLASTX:Maize
Start	414	End	886
GI	none	Score	73
Exons	414..521, 415..483, 420..488, 608..886, 613..885		

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82687	Strand	-
Start	4436	End	4542
Name	OJ000229_07.0412.C31.o1.ts	Method	TBLASTX:Soybean
Start	415	End	931

GI	none	Score	65
Exons	415..492, 426..521, 432..521, 613..930, 659..931		

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82687	Strand	-
Start	4436	End	4542
Name	OJ000229_07.0412.C31.o2.np	Method	AAT/NAP
Start	4436	End	4542
GI	5852172	Score	82
Exons	4436..4542		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	39978	Seq. ID	OJ000229_07.0412.C32
Gene No.	82688	Strand	+
Start	320	End	505
Name	OJ000229_07.0412.C32.o1.gp	Method	AAT/GAP
Start	320	End	505
GI	533_1.R1084	Score	167
Exons	320..359, 382..505		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82689	Strand	+
Start	529	End	1252
Name	OJ000129_44.0303.C1.o1.gp	Method	AAT/GAP
Start	529	End	1252
GI	23698_1.R1084	Score	1382
Exons	529..1252		
GI Descrip.	'3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82690	Strand	+
Start	3454	End	4115
Name	OJ000129_44.0303.C1.o3.gp	Method	AAT/GAP
Start	3454	End	4115
GI	4714647	Score	1150
Exons	3454..4115		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82691	Strand	-
Start	1902	End	2140
Name	OJ000129_44.0303.C1.o2.gp	Method	AAT/GAP
Start	1902	End	2140
GI	33680_1.R1084	Score	466
Exons	1902..2140		
GI Descrip.	'4512705/gb|AAD21758.1| 3.0e-43 (AC006569) putative serine/threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82692	Strand	
Start	2110	End	3570
Name	OJ000129_44.0303.C1.o2.tc	Method	TBLASTX:Cress
Start	2110	End	2508

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GI            none                          Score    72
Exons         2110..2307, 2110..2364, 2360..2506, 2365..2508

Seq. No.      39979                         Seq. ID  OJ000129_44.0303.C1
Gene No.      82692                         Strand
Start         2110                          End      3570
Name          OJ000129_44.0303.C1.o1.tm     Method   TBLASTX:Maize
Start         2161                          End      3570
GI            none                          Score    61
Exons         2161..2571, 2162..2227, 2164..2583, 2629..3024, 2705..2830,
              2818..2937, 2858..3025, 3055..3141, 3147..3239, 3166..3240,
              3481..3570

Seq. No.      39979                         Seq. ID  OJ000129_44.0303.C1
Gene No.      82692                         Strand
Start         2110                          End      3570
Name          OJ000129_44.0303.C1.o1.tw     Method   TBLASTX:Wheat
Start         2291                          End      3103
GI            none                          Score    315
Exons         2291..2524, 2291..2419, 2293..2556, 2293..2523, 2954..3103

Seq. No.      39979                         Seq. ID  OJ000129_44.0303.C1
Gene No.      82692                         Strand
Start         2110                          End      3570
Name          OJ000129_44.0303.C1.o1.ts     Method   TBLASTX:Soybean
Start         2365                          End      3018
GI            none                          Score    69
Exons         2365..2613, 2366..2527, 2662..3018

Seq. No.      39979                         Seq. ID  OJ000129_44.0303.C1
Gene No.      82692                         Strand
Start         2110                          End      3570
Name          OJ000129_44.0303.C1.o1.tc     Method   TBLASTX:Cress
Start         2662                          End      3021
GI            none                          Score    43
Exons         2662..3021, 2774..2866, 2915..3007

Seq. No.      39980                         Seq. ID  OJ000129_44.0303.C2
Gene No.      82693                         Strand   +
Start         3651                          End      4205
Name          OJ000129_44.0303.C2.o1.gp     Method   AAT/GAP
Start         3651                          End      4205
GI            none                          Score    997
Exons         3651..4205

Seq. No.      39981                         Seq. ID  OJ000129_44.0303.C7
Gene No.      82694                         Strand
Start         287                           End      2927
Name          OJ000129_44.0303.C7.o2.tm     Method   TBLASTX:Maize
Start         287                           End      2927
GI            none                          Score    189
Exons         287..520, 2688..2927

Seq. No.      39981                         Seq. ID  OJ000129_44.0303.C7
Gene No.      82694                         Strand
Start         287                           End      2927
Name          OJ000129_44.0303.C7.o1.tm     Method   TBLASTX:Maize
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Start	530	End	2581
GI	none	Score	76
Exons	530..601, 545..619, 630..740, 631..861, 904..999, 2143..2280, 2368..2565, 2369..2575, 2447..2581		

Seq. No.	39981	Seq. ID	OJ000129_44.0303.C7
Gene No.	82694	Strand	
Start	287	End	2927
Name	OJ000129_44.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	682	End	2529
GI	none	Score	131
Exons	682..819, 685..798, 925..999, 2125..2337, 2392..2529		

Seq. No.	39982	Seq. ID	OJ000129_44.0303.C8
Gene No.	82695	Strand	
Start	965	End	1465
Name	OJ000129_44.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	965	End	1429
GI	none	Score	234
Exons	965..1039, 1121..1429		

Seq. No.	39982	Seq. ID	OJ000129_44.0303.C8
Gene No.	82695	Strand	
Start	965	End	1465
Name	OJ000129_44.0303.C8.o2.tm	Method	TBLASTX:Maize
Start	995	End	1465
GI	none	Score	94
Exons	995..1039, 1139..1465, 1215..1442		

Seq. No.	39982	Seq. ID	OJ000129_44.0303.C8
Gene No.	82696	Strand	
Start	1583	End	1876
Name	OJ000129_44.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	1583	End	1876
GI	none	Score	81
Exons	1583..1741, 1587..1730, 1784..1876		

Seq. No.	39983	Seq. ID	OJ000129_44.0303.C14
Gene No.	82697	Strand	
Start	1049	End	1418
Name	OJ000129_44.0303.C14.o1.tm	Method	TBLASTX:Maize
Start	1049	End	1418
GI	none	Score	71
Exons	1049..1159, 1219..1371, 1268..1345, 1295..1414, 1346..1417, 1347..1418		

Seq. No.	39983	Seq. ID	OJ000129_44.0303.C14
Gene No.	82697	Strand	
Start	1049	End	1418
Name	OJ000129_44.0303.C14.o1.tc	Method	TBLASTX:Cress
Start	1070	End	1417
GI	none	Score	59
Exons	1070..1150, 1183..1350, 1274..1345, 1328..1414, 1346..1417		

Seq. No.	39984	Seq. ID	OJ000129_44.0303.C16
Gene No.	82698	Strand	-
Start	289	End	355

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Name          OJ000129_44.0303.C16.o1.gp     Method   AAT/GAP
Start         289                            End      355
GI            5038932                        Score    86
Exons         289..355
GI Descrip.   3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis
              thaliana]

Seq. No.      39985                          Seq. ID  OJ000129_44.0303.C18
Gene No.      82699                          Strand   +
Start         1073                           End      1733
Name          OJ000129_44.0303.C18.o2.gp     Method   AAT/GAP
Start         1073                           End      1733
GI            12563_2.R1084                  Score    1243
Exons         1073..1733
GI Descrip.   '4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA,
              similar sequence to Pib gene'

Seq. No.      39985                          Seq. ID  OJ000129_44.0303.C18
Gene No.      82700                          Strand   -
Start         1765                           End      2318
Name          OJ000129_44.0303.C18.o3.gp     Method   AAT/GAP
Start         1765                           End      2318
GI            LIB3432-028-P1-K1-G9           Score    856
Exons         1765..1970, 2061..2318
GI Descrip.   '4322327/gb|AAD16016| 1.0e-33 (AF080545) peptide transporter
              [Nepenthes alata]'

Seq. No.      39985                          Seq. ID  OJ000129_44.0303.C18
Gene No.      82701                          Strand   -
Start         2546                           End      3375
Name          OJ000129_44.0303.C18.o1.tc     Method   TBLASTX:Cress
Start         1159                           End      3321
GI            none                           Score    49
Exons         1159..1251, 1167..1265, 1230..1427, 1256..1510, 1479..1514,
              1593..1748, 1613..1816, 1784..1939, 1842..1907, 2066..2542,
              2190..2234, 2289..2543, 3127..3321, 3128..3319

Seq. No.      39985                          Seq. ID  OJ000129_44.0303.C18
Gene No.      82701                          Strand   -
Start         2546                           End      3375
Name          OJ000129_44.0303.C18.o2.tm     Method   TBLASTX:Maize
Start         1161                           End      1652
GI            none                           Score    62
Exons         1161..1265, 1162..1251, 1256..1510, 1257..1514, 1593..1652,
              1613..1651

Seq. No.      39985                          Seq. ID  OJ000129_44.0303.C18
Gene No.      82701                          Strand   -
Start         2546                           End      3375
Name          OJ000129_44.0303.C18.o1.tw     Method   TBLASTX:Wheat
Start         1194                           End      1501
GI            none                           Score    170
Exons         1194..1493, 1256..1501, 1421..1498

Seq. No.      39985                          Seq. ID  OJ000129_44.0303.C18
Gene No.      82701                          Strand   -
Start         2546                           End      3375
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Name        OJ000129_44.0303.C18.o1.ts    Method   TBLASTX:Soybean
Start       1322                          End      3321
GI          none                          Score    85
Exons       1322..1510, 1593..1754, 1616..1744, 1790..1954, 1842..1901,
            2072..2533, 2289..2504, 3109..3321, 3110..3274

Seq. No.    39985                         Seq. ID  OJ000129_44.0303.C18
Gene No.    82701                         Strand   -
Start       2546                          End      3375
Name        OJ000129_44.0303.C18.o1.tm    Method   TBLASTX:Maize
Start       1655                          End      2531
GI          none                          Score    50
Exons       1655..1741, 1656..1706, 1784..1927, 1829..1900, 1934..1963,
            2063..2530, 2202..2531

Seq. No.    39985                         Seq. ID  OJ000129_44.0303.C18
Gene No.    82701                         Strand   -
Start       2546                          End      3375
Name        OJ000129_44.0303.C18.o4.gp    Method   AAT/GAP
Start       2546                          End      3375
GI          uC-osrocyp012b11b1            Score    500
Exons       2546..2599, 3100..3375
GI Descrip. '4102839 8.0e-32 (AF016713) LeOPT1 [Lycopersicon esculentum]'

Seq. No.    39985                         Seq. ID  OJ000129_44.0303.C18
Gene No.    82701                         Strand   -
Start       2546                          End      3375
Name        OJ000129_44.0303.C18.o3.tm    Method   TBLASTX:Maize
Start       3095                          End      3352
GI          none                          Score    151
Exons       3095..3352, 3121..3321

Seq. No.    39985                         Seq. ID  OJ000129_44.0303.C18
Gene No.    82701                         Strand   -
Start       2546                          End      3375
Name        OJ000129_44.0303.C18.o2.tw    Method   TBLASTX:Wheat
Start       3175                          End      3321
GI          none                          Score    157
Exons       3175..3321, 3179..3319

Seq. No.    39986                         Seq. ID  OJ000129_44.0303.C21
Gene No.    82702                         Strand
Start       1                             End      361
Name        OJ000129_44.0303.C21.o1.tc    Method   TBLASTX:Cress
Start       1                             End      353
GI          none                          Score    218
Exons       1..333, 20..331, 231..353

Seq. No.    39986                         Seq. ID  OJ000129_44.0303.C21
Gene No.    82702                         Strand
Start       1                             End      361
Name        OJ000129_44.0303.C21.o1.tm    Method   TBLASTX:Maize
Start       4                             End      361
GI          none                          Score    184
Exons       4..333, 20..361

Seq. No.    39986                         Seq. ID  OJ000129_44.0303.C21
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Gene No.	82702	Strand	
Start	1	End	361
Name	OJ000129_44.0303.C21.o1.ts	Method	TBLASTX:Soybean
Start	4	End	337
GI	none	Score	132
Exons	4..333, 98..337		

Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82703	Strand	+
Start	2105	End	2944
Name	OJ000129_44.0303.C22.o1.gp	Method	AAT/GAP
Start	2105	End	2944
GI	uC-osflcyp158d12b1	Score	647
Exons	2105..2251, 2581..2637, 2770..2944		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o1.tc	Method	TBLASTX:Cress
Start	2817	End	3404
GI	none	Score	58
Exons	2817..2894, 2964..3029, 3060..3404, 3095..3403		

Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o1.tm	Method	TBLASTX:Maize
Start	3051	End	3530
GI	none	Score	415
Exons	3051..3530, 3125..3400, 3339..3422		

Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o1.ts	Method	TBLASTX:Soybean
Start	3060	End	3709
GI	none	Score	302
Exons	3060..3476, 3095..3403, 3635..3709		

Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o2.tc	Method	TBLASTX:Cress
Start	3635	End	3955
GI	none	Score	70
Exons	3635..3709, 3737..3955		

Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o2.tm	Method	TBLASTX:Maize
Start	3635	End	3970
GI	none	Score	301
Exons	3635..3970, 3635..3718, 3646..3909		

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Seq. No.      39987                      Seq. ID   OJ000129_44.0303.C22
Gene No.      82704                      Strand    -
Start         8902                       End       8968
Name          OJ000129_44.0303.C22.o1.tw Method    TBLASTX:Wheat
Start         3670                       End       3970
GI            none                       Score     260
Exons         3670..3909, 3671..3970

Seq. No.      39987                      Seq. ID   OJ000129_44.0303.C22
Gene No.      82704                      Strand    -
Start         8902                       End       8968
Name          OJ000129_44.0303.C22.o2.gp Method    AAT/GAP
Start         8902                       End       8968
GI            1631463                    Score     88
Exons         8902..8968
GI Descrip.   4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp.
              indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2
              retrotransposon, complete sequences; and unknown genes

Seq. No.      39988                      Seq. ID   OJ000129_44.0303.C23
Gene No.      82705                      Strand    +
Start         131                        End       600
Name          OJ000129_44.0303.C23.o1.gp Method    AAT/GAP
Start         131                        End       600
GI            38782_1.R1084              Score     772
Exons         131..600
GI Descrip.   '6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic
              DNA, chromosome 6, clone:P0514G12'

Seq. No.      39988                      Seq. ID   OJ000129_44.0303.C23
Gene No.      82706                      Strand    +
Start         1784                       End       1981
Name          OJ000129_44.0303.C23.o2.gp Method    AAT/GAP
Start         1784                       End       1981
GI            5667165                    Score     322
Exons         1784..1981
GI Descrip.   5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp.
              japonica BAC clone 34K24, complete sequence

Seq. No.      39989                      Seq. ID   OJ000129_44.0303.C25
Gene No.      82707                      Strand
Start         2753                       End       3094
Name          OJ000129_44.0303.C25.o1.tm Method    TBLASTX:Maize
Start         2753                       End       3094
GI            none                       Score     67
Exons         2753..2869, 2755..2811, 2762..2908, 2947..3090, 2948..3094

Seq. No.      39989                      Seq. ID   OJ000129_44.0303.C25
Gene No.      82708                      Strand
Start         3245                       End       3677
Name          OJ000129_44.0303.C25.o1.ts Method    TBLASTX:Soybean
Start         3245                       End       3677
GI            none                       Score     116
Exons         3245..3406, 3402..3608, 3636..3677

Seq. No.      39990                      Seq. ID   OJ000129_44.0303.C28
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Gene No.	82709	Strand	
Start	171	End	578
Name	OJ000129_44.0303.C28.o1.ts	Method	TBLASTX:Soybean
Start	171	End	542
GI	none	Score	265
Exons	171..542		

Seq. No.	39990	Seq. ID	OJ000129_44.0303.C28
Gene No.	82709	Strand	
Start	171	End	578
Name	OJ000129_44.0303.C28.o1.tm	Method	TBLASTX:Maize
Start	189	End	578
GI	none	Score	114
Exons	189..239, 283..558, 285..578		

Seq. No.	39991	Seq. ID	OJ000129_44.0303.C31
Gene No.	82710	Strand	-
Start	3546	End	3926
Name	OJ000129_44.0303.C31.o1.gp	Method	AAT/GAP
Start	3546	End	3926
GI	LIB3434-043-P1-K1-D5	Score	465
Exons	3546..3926		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	39991	Seq. ID	OJ000129_44.0303.C31
Gene No.	82711	Strand	-
Start	4606	End	5100
Name	OJ000129_44.0303.C31.o1.tm	Method	TBLASTX:Maize
Start	1036	End	1368
GI	none	Score	260
Exons	1036..1368, 1083..1325		

Seq. No.	39991	Seq. ID	OJ000129_44.0303.C31
Gene No.	82711	Strand	-
Start	4606	End	5100
Name	OJ000129_44.0303.C31.o2.gp	Method	AAT/GAP
Start	4606	End	5100
GI	63917_1.R1084	Score	945
Exons	4606..5100		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	39992	Seq. ID	OJ000129_44.0303.C32
Gene No.	82712	Strand	
Start	225	End	716
Name	OJ000129_44.0303.C32.o1.ts	Method	TBLASTX:Soybean
Start	225	End	689
GI	none	Score	80
Exons	225..299, 333..689, 472..687		

Seq. No.	39992	Seq. ID	OJ000129_44.0303.C32
Gene No.	82712	Strand	
Start	225	End	716
Name	OJ000129_44.0303.C32.o1.tm	Method	TBLASTX:Maize
Start	255	End	716
GI	none	Score	130

Exons	255..299, 333..389, 396..716, 418..705		

Seq. No.	39992	Seq. ID	OJ000129_44.0303.C32
Gene No.	82713	Strand	
Start	840	End	1182
Name	OJ000129_44.0303.C32.o2.tm	Method	TBLASTX:Maize
Start	840	End	1182
GI	none	Score	89
Exons	840..998, 841..978, 1029..1130, 1030..1128, 1126..1182		

Seq. No.	39993	Seq. ID	OJ000129_44.0303.C37
Gene No.	82714	Strand	-
Start	1	End	455
Name	OJ000129_44.0303.C37.o1.gp	Method	AAT/GAP
Start	1	End	455
GI	uC-osrocyp012b11b1	Score	398
Exons	1..130, 335..455		
GI Descrip.	'4102839 8.0e-32 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	39994	Seq. ID	OJ000129_44.0303.C40
Gene No.	82715	Strand	-
Start	97	End	724
Name	OJ000129_44.0303.C40.o1.tm	Method	TBLASTX:Maize
Start	9	End	392
GI	none	Score	35
Exons	9..35, 97..183, 107..184, 273..392, 275..391		

Seq. No.	39994	Seq. ID	OJ000129_44.0303.C40
Gene No.	82715	Strand	-
Start	97	End	724
Name	OJ000129_44.0303.C40.o1.tc	Method	TBLASTX:Cress
Start	67	End	392
GI	none	Score	58
Exons	67..186, 97..180, 272..391, 275..388, 312..392		

Seq. No.	39994	Seq. ID	OJ000129_44.0303.C40
Gene No.	82715	Strand	-
Start	97	End	724
Name	OJ000129_44.0303.C40.o1.gp	Method	AAT/GAP
Start	97	End	724
GI	5038932	Score	347
Exons	97..183, 272..399, 683..724		
GI Descrip.	3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39994	Seq. ID	OJ000129_44.0303.C40
Gene No.	82715	Strand	-
Start	97	End	724
Name	OJ000129_44.0303.C40.o1.ts	Method	TBLASTX:Soybean
Start	106	End	392
GI	none	Score	60
Exons	106..186, 107..184, 272..388, 272..391, 276..392		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82716	Strand	+
Start	547	End	1649
Name	OJ000209_21.0313.C2.o2.gp	Method	AAT/GAP

Start	547	End	1649
GI	2291_1.R1084	Score	2119
Exons	547..1649		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82717	Strand	+
Start	1664	End	2925
Name	OJ000209_21.0313.C2.o3.gp	Method	AAT/GAP
Start	1664	End	2925
GI	3073_1.R1084	Score	2465
Exons	1664..2925		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82718	Strand	+
Start	3051	End	4702
Name	OJ000209_21.0313.C2.o2.gs	Method	GENSCAN
Start	3051	End	4702
GI	none	Score	.78
Exons	3051..3108, 3282..3431, 3888..3937, 4586..4702		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82719	Strand	+
Start	5107	End	5799
Name	OJ000209_21.0313.C2.o3.gs	Method	GENSCAN
Start	5107	End	5799
GI	none	Score	.85
Exons	5107..5799		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82720	Strand	-
Start	1	End	282
Name	OJ000209_21.0313.C2.o1.gp	Method	AAT/GAP
Start	1	End	282
GI	41109_1.R1084	Score	534
Exons	1..282		
GI Descrip.	'132712/sp|P12138|RK16_ORYSA 4.0e-56 CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 >gi_71250_pir__R5RZ16 ribosomal protein L16 - rice chloroplast >gi_669084_emb_CAA33933_ (X15901) ribosomal protein L16 [Oryza sativa] >gi_226645_prf__1603356BV ribosomal protein L16 [Oryza sativa]'		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82720	Strand	-
Start	1	End	282
Name	OJ000209_21.0313.C2.o1.np	Method	AAT/NAP
Start	1	End	269
GI	132712	Score	458

Exons	1..269		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 gi|71250|pir||R5RZ16 ribosomal protein L16 - rice chloroplast gi|669084|emb|CAA33933| (X15901) ribosomal protein L16 [Oryza sativa] gi|226645|prf||1603356BV ribosomal protein L16 [Oryza sativa]		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82721	Strand	-
Start	1463	End	2183
Name	OJ000209_21.0313.C2.o1.gs	Method	GENSCAN
Start	1463	End	1963
GI	none	Score	.44
Exons	1463..1963		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82721	Strand	-
Start	1463	End	2183
Name	OJ000209_21.0313.C2.o2.np	Method	AAT/NAP
Start	1466	End	2183
GI	133936	Score	1210
Exons	1466..2183		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi|70867|pir||R3RZ3 ribosomal protein S3 - rice chloroplast gi|12025|emb|CAA33934| (X15901) ribosomal protein S3 [Oryza sativa] gi|226646|prf||1603356BW ribosomal protein S3 [Oryza sativa]		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82722	Strand	-
Start	2241	End	2687
Name	OJ000209_21.0313.C2.o3.np	Method	AAT/NAP
Start	2241	End	2687
GI	132790	Score	754
Exons	2241..2687		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L22 gi|71290|pir||R5RZ22 ribosomal protein L22 - rice chloroplast gi|12026|emb|CAA33935| (X15901) ribosomal protein L22 [Oryza sativa] gi|226647|prf||1603356BX ribosomal protein L22 [Oryza sativa]		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82723	Strand	-
Start	2758	End	3038
Name	OJ000209_21.0313.C2.o4.np	Method	AAT/NAP
Start	2758	End	3038
GI	1334378	Score	256
Exons	2758..3038		
GI Descrip.	(Y00141) ribosomal protein S19 (AA 1-93) [Zea mays]		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2937
GI	none	Score	287
Exons	1..222, 3..263, 8..265, 126..260, 1478..1858, 1479..1847, 1862..1969, 2032..2073, 2033..2074, 2069..2188, 2070..2183, 2178..2207, 2791..2925, 2801..2935, 2818..2937		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o4.tw	Method	TBLASTX:Wheat
Start	1	End	174
GI	none	Score	264
Exons	1..174, 1..171, 3..173		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	1347
GI	none	Score	335
Exons	1..222, 1..258, 3..263, 1291..1347		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o3.tc	Method	TBLASTX:Cress
Start	1	End	263
GI	none	Score	295
Exons	1..219, 1..258, 3..263, 149..256		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o3.tw	Method	TBLASTX:Wheat
Start	206	End	602
GI	none	Score	131
Exons	206..280, 207..281, 251..376, 277..381, 281..376, 286..411, 395..418, 397..420, 419..466, 451..531, 461..529, 462..530, 569..601, 570..602		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o3.tm	Method	TBLASTX:Maize
Start	566	End	889
GI	none	Score	352
Exons	566..814, 567..815, 574..885, 577..870, 821..889		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o1.tc	Method	TBLASTX:Cress
Start	605	End	1837
GI	none	Score	49
Exons	605..646, 613..633, 665..727, 683..727, 720..809, 721..810, 724..816, 937..963, 959..1003, 1111..1173, 1283..1324, 1294..1341, 1414..1656, 1421..1792, 1463..1837, 1464..1820		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o2.tw	Method	TBLASTX:Wheat
Start	689	End	1321

GI	none	Score	202
Exons	689..847, 690..839, 814..900, 814..900, 815..901, 886..999, 895..1002, 902..1003, 1009..1104, 1015..1104, 1036..1245, 1084..1245, 1255..1320, 1298..1321		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o4.tm	Method	TBLASTX:Maize
Start	930	End	1245
GI	none	Score	59
Exons	930..959, 931..966, 931..963, 956..997, 956..1003, 961..1065, 961..1068, 1036..1245, 1054..1104, 1090..1233, 1185..1244		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o1.tm	Method	TBLASTX:Maize
Start	1391	End	2937
GI	none	Score	37
Exons	1391..1423, 1400..1972, 1402..1620, 1415..1813, 1422..1970, 1865..1972, 1925..2041, 1966..2073, 1967..2074, 2001..2204, 2069..2200, 2083..2205, 2106..2207, 2185..2223, 2187..2645, 2199..2645, 2593..2736, 2637..2714, 2656..2715, 2731..2925, 2752..2937		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o1.tw	Method	TBLASTX:Wheat
Start	1872	End	2639
GI	none	Score	134
Exons	1872..2006, 1872..2072, 1874..2074, 1942..2139, 2022..2204, 2059..2205, 2063..2203, 2083..2205, 2185..2223, 2238..2636, 2244..2639		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o2.tc	Method	TBLASTX:Cress
Start	2069	End	2585
GI	none	Score	141
Exons	2069..2182, 2070..2180, 2231..2338, 2253..2549, 2262..2585		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o3.ts	Method	TBLASTX:Soybean
Start	2260	End	2588
GI	none	Score	133
Exons	2260..2550, 2262..2588, 2274..2555		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o6.tm	Method	TBLASTX:Maize
Start	5343	End	5769

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GI            none                          Score    258
Exons         5343..5504, 5344..5769

Seq. No.      39995                         Seq. ID  OJ000209_21.0313.C2
Gene No.      82724                         Strand   -
Start         6581                          End      7362
Name          OJ000209_21.0313.C2.o7.np     Method   AAT/NAP
Start         6386                          End      7362
GI            7488303                       Score    268
Exons         6386..6690, 6777..6935, 7038..7362
GI Descrip.   ribonucleoprotein homolog T4I9.1 - Arabidopsis thaliana
              gi|3924594|gb|AAC79095.1| (AF069442) putative ribonucleoprotein
              [Arabidopsis thaliana] gi|4262139|gb|AAD14439.1| (AC005275)
              putative ribonucleoprotein [Arabidopsis thaliana]
              gi|7270181|emb|CAB77796.1| (AL161496) putative ribonucleoprotein
              [Arabidopsis thaliana]

Seq. No.      39995                         Seq. ID  OJ000209_21.0313.C2
Gene No.      82724                         Strand   -
Start         6581                          End      7362
Name          OJ000209_21.0313.C2.o4.gs     Method   GENSCAN
Start         6581                          End      7287
GI            none                          Score    .63
Exons         6581..6690, 6837..6920, 7089..7287

Seq. No.      39995                         Seq. ID  OJ000209_21.0313.C2
Gene No.      82724                         Strand   -
Start         6581                          End      7362
Name          OJ000209_21.0313.C2.o2.ts     Method   TBLASTX:Soybean
Start         6585                          End      6930
GI            none                          Score    89
Exons         6585..6692, 6587..6697, 6775..6930, 6776..6850, 6805..6921

Seq. No.      39995                         Seq. ID  OJ000209_21.0313.C2
Gene No.      82724                         Strand   -
Start         6581                          End      7362
Name          OJ000209_21.0313.C2.o5.tm     Method   TBLASTX:Maize
Start         6585                          End      7173
GI            none                          Score    85
Exons         6585..6692, 6587..6697, 6728..6931, 6775..6930, 7009..7173

Seq. No.      39995                         Seq. ID  OJ000209_21.0313.C2
Gene No.      82724                         Strand   -
Start         6581                          End      7362
Name          OJ000209_21.0313.C2.o4.tc     Method   TBLASTX:Cress
Start         6779                          End      6930
GI            none                          Score    84
Exons         6779..6859, 6781..6900, 6781..6930

Seq. No.      39995                         Seq. ID  OJ000209_21.0313.C2
Gene No.      82724                         Strand   -
Start         6581                          End      7362
Name          OJ000209_21.0313.C2.o4.gp     Method   AAT/GAP
Start         6895                          End      7362
GI            none                          Score    671
Exons         6895..6920, 7011..7362
```

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82725	Strand	+
Start	6919	End	8090
Name	OJ000209_21.0313.C3.o2.gs	Method	GENSCAN
Start	6919	End	8087
GI	none	Score	.99
Exons	6919..6947, 7283..8087		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82725	Strand	+
Start	6919	End	8090
Name	OJ000209_21.0313.C3.o2.np	Method	AAT/NAP
Start	7244	End	8090
GI	4262142	Score	652
Exons	7244..8090		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82726	Strand	+
Start	11787	End	12595
Name	OJ000209_21.0313.C3.o3.np	Method	AAT/NAP
Start	11787	End	12595
GI	7431087	Score	484
Exons	11787..12595		
GI Descrip.	hypothetical protein F14M4.3 - Arabidopsis thaliana gi|3522952|gb|AAC34234.1| (AC004411) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82727	Strand	-
Start	1	End	3209
Name	OJ000209_21.0313.C3.o1.np	Method	AAT/NAP
Start	1	End	3209
GI	7488302	Score	379
Exons	1..27, 1146..1359, 1517..1596, 1696..1821, 1957..2035, 2882..2964, 3050..3209		
GI Descrip.	ribonucleoprotein homolog F21B7.26 - Arabidopsis thaliana gi|2809257|gb|AAB97717.1| (AC002560) F21B7.26 [Arabidopsis thaliana]		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82727	Strand	-
Start	1	End	3209
Name	OJ000209_21.0313.C3.o1.gs	Method	GENSCAN
Start	264	End	3209
GI	none	Score	.87
Exons	264..479, 1174..1359, 1514..1602, 1696..1827, 1984..2035, 2882..2964, 3050..3209		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82728	Strand	
Start	7281	End	12616
Name	OJ000209_21.0313.C3.o1.tc	Method	TBLASTX:Cress
Start	7281	End	12202
GI	none	Score	212
Exons	7281..7550, 7286..7597, 7581..7664, 11816..12082, 12106..12201, 12116..12202		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82728	Strand	
Start	7281	End	12616
Name	OJ000209_21.0313.C3.ol.tw	Method	TBLASTX:Wheat
Start	7281	End	12112
GI	none	Score	362
Exons	7281..7574, 7286..7582, 11815..11913, 11816..12094, 11885..11938, 12023..12112		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82728	Strand	
Start	7281	End	12616
Name	OJ000209_21.0313.C3.ol.tm	Method	TBLASTX:Maize
Start	7281	End	12583
GI	none	Score	142
Exons	7281..7436, 7361..7435, 7428..7556, 7511..7552, 7581..7859, 7583..7858, 7935..8048, 7940..8047, 11816..11971, 11963..12088, 12020..12079, 12100..12366, 12101..12391, 12470..12583		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82728	Strand	
Start	7281	End	12616
Name	OJ000209_21.0313.C3.ol.ts	Method	TBLASTX:Soybean
Start	7281	End	12616
GI	none	Score	165
Exons	7281..7436, 7349..7435, 7437..7547, 7514..7546, 7577..7882, 7581..7916, 7935..8084, 7940..8077, 11816..11983, 11972..12082, 12095..12457, 12112..12384, 12470..12616, 12526..12612		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82729	Strand	+
Start	1632	End	3458
Name	OJ000209_21.0313.C4.ol.gs	Method	GENSCAN
Start	1632	End	3331
GI	none	Score	.87
Exons	1632..1634, 1976..2044, 2319..2401, 2543..3142, 3148..3331		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82729	Strand	+
Start	1632	End	3458
Name	OJ000209_21.0313.C4.ol.np	Method	AAT/NAP
Start	2500	End	3340
GI	4262142	Score	585
Exons	2500..3340		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82729	Strand	+
Start	1632	End	3458
Name	OJ000209_21.0313.C4.ol.gp	Method	AAT/GAP
Start	3233	End	3458
GI	6025039	Score	376
Exons	3233..3458		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82730	Strand	+

Start	4297	End	5540
Name	OJ000209_21.0313.C4.o2.gs	Method	GENSCAN
Start	4297	End	5540
GI	none	Score	.73
Exons	4297..4415, 4751..5540		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82730	Strand	+
Start	4297	End	5540
Name	OJ000209_21.0313.C4.o2.gp	Method	AAT/GAP
Start	4475	End	4917
GI	62835_1.R1084	Score	504
Exons	4475..4571, 4751..4917		
GI Descrip.	'4262142/gb|AAD14442| 1.0e-12 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-
Start	5309	End	5752
Name	OJ000209_21.0313.C4.o1.tm	Method	TBLASTX:Maize
Start	2535	End	5507
GI	none	Score	148
Exons	2535..2657, 2541..2696, 2612..2695, 2694..2825, 2826..3131, 3148..3297, 3149..3301, 4752..4904, 4754..4903, 4902..5033, 5034..5339, 5358..5507, 5399..5506, 5418..5507		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-
Start	5309	End	5752
Name	OJ000209_21.0313.C4.o1.tc	Method	TBLASTX:Cress
Start	2541	End	5510
GI	none	Score	132
Exons	2541..2687, 2700..2804, 2811..2921, 2862..2891, 2930..3109, 2931..3119, 3224..3301, 4748..4894, 4761..4895, 4908..5012, 5019..5129, 5070..5099, 5138..5317, 5205..5327, 5448..5510		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-
Start	5309	End	5752
Name	OJ000209_21.0313.C4.o1.ts	Method	TBLASTX:Soybean
Start	2541	End	5525
GI	none	Score	292
Exons	2541..2819, 2577..2675, 2609..2695, 2828..2974, 2829..3140, 3005..3139, 3173..3316, 3190..3306, 4730..4903, 4752..5027, 5036..5314, 5037..5354, 5382..5525, 5399..5506		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-
Start	5309	End	5752
Name	OJ000209_21.0313.C4.o1.tw	Method	TBLASTX:Wheat
Start	2541	End	5024
GI	none	Score	227
Exons	2541..2699, 2541..2684, 2606..2701, 2694..2816, 2718..2819, 4748..4903, 4748..4909, 4752..4907, 4902..5024, 4908..4967		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-

Start	5309	End	5752
Name	OJ000209_21.0313.C4.o3.gp	Method	AAT/GAP
Start	5309	End	5752
GI	2918_1.R1084	Score	762
Exons	5309..5752		
GI Descrip.	'4262142/gb|AAD14442| 1.0e-09 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	39998	Seq. ID	OJ000209_21.0313.C9
Gene No.	82732	Strand	+
Start	1757	End	2239
Name	OJ000209_21.0313.C9.o2.gs	Method	GENSCAN
Start	1757	End	2239
GI	none	Score	.98
Exons	1757..2239		

Seq. No.	39998	Seq. ID	OJ000209_21.0313.C9
Gene No.	82733	Strand	-
Start	352	End	540
Name	OJ000209_21.0313.C9.o1.gs	Method	GENSCAN
Start	352	End	540
GI	none	Score	.86
Exons	352..540		

Seq. No.	39998	Seq. ID	OJ000209_21.0313.C9
Gene No.	82734	Strand	-
Start	1526	End	2261
Name	OJ000209_21.0313.C9.o1.np	Method	AAT/NAP
Start	1526	End	2261
GI	7242910	Score	89
Exons	1526..1608, 1680..1845, 2195..2261		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39999	Seq. ID	OJ000209_21.0313.C10
Gene No.	82735	Strand	+
Start	1	End	3789
Name	OJ000209_21.0313.C10.o1.np	Method	AAT/NAP
Start	1	End	464
GI	7242910	Score	104
Exons	1..151, 260..313, 382..464		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39999	Seq. ID	OJ000209_21.0313.C10
Gene No.	82735	Strand	+
Start	1	End	3789
Name	OJ000209_21.0313.C10.o1.gs	Method	GENSCAN
Start	230	End	3789
GI	none	Score	.6
Exons	230..411, 2010..2063, 2471..2722, 2870..2899, 3723..3789		

Seq. No.	39999	Seq. ID	OJ000209_21.0313.C10
Gene No.	82736	Strand	-
Start	3639	End	3736
Name	OJ000209_21.0313.C10.o1.gp	Method	AAT/GAP
Start	3639	End	3736
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	3639..3736		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o1.gs	Method	GENSCAN
Start	869	End	6757
GI	none	Score	.81
Exons	869..887, 1035..1171, 1979..2069, 2318..2386, 2446..2523, 2615..2734, 2783..2952, 3024..3296, 3648..3693, 3870..3986, 4201..4228, 4284..4428, 4620..4690, 5310..5458, 5621..5652, 5720..5834, 5971..6024, 6109..6226, 6571..6757		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o1.np	Method	AAT/NAP
Start	1052	End	4359
GI	5803253	Score	234
Exons	1052..1188, 2872..2966, 3041..3296, 3648..3759, 3897..3970, 4239..4359		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o1.gp	Method	AAT/GAP
Start	2668	End	3739
GI	13284_1.R1084	Score	1052
Exons	2668..2952, 3024..3296, 3648..3739		
GI Descrip.	'5803253/dbj|BAA83563.1| 7.0e-17 (AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]'		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o2.gp	Method	AAT/GAP
Start	2689	End	3817
GI	13284_1.R1084	Score	1087
Exons	2689..2952, 3024..3296, 3648..3817		
GI Descrip.	'5803253/dbj|BAA83563.1| 7.0e-17 (AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]'		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o3.gp	Method	AAT/GAP
Start	3029	End	4006
GI	13284_1.R1084	Score	740

Exons	3029..3296, 3648..3768, 3870..4006		
GI Descrip.	'5803253/dbj|BAA83563.1| 7.0e-17 (AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]'		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o4.gp	Method	AAT/GAP
Start	4295	End	6392
GI	621_1.R1084	Score	1426
Exons	4295..4428, 5001..5088, 5173..5274, 5363..5458, 5621..5652, 5759..5834, 5971..6024, 6161..6392		
GI Descrip.	'4262142/gb|AAD14442| 9.0e-13 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o2.np	Method	AAT/NAP
Start	5013	End	6180
GI	134596	Score	622
Exons	5013..5088, 5173..5274, 5363..5458, 5621..5652, 5759..5834, 5971..6024, 6161..6180		
GI Descrip.	SUPEROXIDE DISMUTASE [CU-ZN] 2 gi|100713|pir||S21136 superoxide dismutase (EC 1.15.1.1) (Cu-Zn) sodB - rice gi|218226|dbj|BAA00800.1| (D01000) copper/zinc-superoxide dismutase [Oryza sativa] gi|310321|gb|AAC14465.1| (L19434) cytosolic copper/zinc-superoxide dismutase [Oryza sativa]		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o1.tm	Method	TBLASTX:Maize
Start	4979	End	6026
GI	none	Score	129
Exons	4979..5089, 5004..5090, 5171..5275, 5172..5282, 5175..5282, 5356..5460, 5361..5459, 5619..5651, 5729..5836, 5758..5835, 5930..6025, 5970..6026		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o1.ts	Method	TBLASTX:Soybean
Start	4983	End	6026
GI	none	Score	107
Exons	4983..5090, 5009..5089, 5010..5120, 5171..5275, 5172..5282, 5356..5463, 5361..5462, 5735..5836, 5758..5835, 5930..6025, 5969..6022, 5970..6026		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o1.tw	Method	TBLASTX:Wheat
Start	4992	End	6182
GI	none	Score	121

Exons	4992..5090, 4998..5087, 5003..5089, 5171..5275, 5172..5282, 5175..5282, 5356..5460, 5361..5459, 5608..5652, 5729..5836, 5749..5835, 5969..6025, 5970..6026, 5970..6026, 6144..6182, 6159..6182		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o1.tc	Method	TBLASTX:Cress
Start	5009	End	6026
GI	none	Score	107
Exons	5009..5089, 5010..5090, 5010..5090, 5011..5091, 5152..5274, 5171..5275, 5172..5282, 5172..5276, 5179..5283, 5356..5463, 5361..5462, 5741..5836, 5749..5835, 5930..6025, 5970..6026		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o2.gs	Method	GENSCAN
Start	7090	End	7518
GI	none	Score	.85
Exons	7090..7518		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o2.ts	Method	TBLASTX:Soybean
Start	7103	End	7662
GI	none	Score	82
Exons	7103..7195, 7117..7245, 7282..7584, 7298..7558, 7633..7662		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o3.np	Method	AAT/NAP
Start	7108	End	7663
GI	1717794	Score	324
Exons	7108..7663		
GI Descrip.	SEX DETERMINATION PROTEIN TASSELSEED 2 gi|539065|pir||A47542 short-chain alcohol dehydrogenase (EC 1.1.1.-) - maize gi|393184 (L20621) alcohol dehydrogenase [Zea mays]		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o2.tm	Method	TBLASTX:Maize
Start	7111	End	7662
GI	none	Score	59
Exons	7111..7245, 7133..7195, 7321..7587, 7334..7549, 7627..7662		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82739	Strand	+
Start	94	End	1802
Name	OJ000209_21.0313.C12.o1.gs	Method	GENSCAN
Start	94	End	1802
GI	none	Score	.72
Exons	94..312, 1716..1802		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o2.gs	Method	GENSCAN
Start	2733	End	3161
GI	none	Score	.79
Exons	2733..3161		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o1.np	Method	AAT/NAP
Start	2751	End	3213
GI	1717794	Score	284
Exons	2751..3213		
GI Descrip.	SEX DETERMINATION PROTEIN TASSELSEED 2 gi|539065|pir||A47542 short-chain alcohol dehydrogenase (EC 1.1.1.-) - maize gi|393184 (L20621) alcohol dehydrogenase [Zea mays]		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o1.tc	Method	TBLASTX:Cress
Start	2754	End	3150
GI	none	Score	80
Exons	2754..2849, 2820..2924, 2955..3149, 2971..3150		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o1.ts	Method	TBLASTX:Soybean
Start	2760	End	3209
GI	none	Score	163
Exons	2760..2888, 2925..3209, 2962..3189		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o1.tm	Method	TBLASTX:Maize
Start	2772	End	3213
GI	none	Score	143
Exons	2772..2888, 2964..3209, 2977..3213		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82741	Strand	+
Start	10758	End	10837
Name	OJ000209_21.0313.C13.o2.gp	Method	AAT/GAP
Start	10758	End	10837
GI	5455354	Score	102
Exons	10758..10837		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82742	Strand	+
Start	10837	End	10906

Name	OJ000209_21.0313.C13.o3.gp	Method	AAT/GAP
Start	10837	End	10906
GI	4715947	Score	79
Exons	10837..10906		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82743	Strand	-
Start	1	End	10184
Name	OJ000209_21.0313.C13.o1.np	Method	AAT/NAP
Start	1	End	248
GI	7431090	Score	236
Exons	1..248		
GI Descrip.	probable short-chain alcohol-dehydrogenase (EC 1.1.1.-) - tomato (fragment) gi|717142|gb|AAB00109.1| (U21801) alcohol dehydrogenase homolog [Lycopersicon esculentum]		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82743	Strand	-
Start	1	End	10184
Name	OJ000209_21.0313.C13.o1.gs	Method	GENSCAN
Start	9	End	10184
GI	none	Score	.44
Exons	9..261, 4244..4293, 4400..4664, 5118..5310, 5426..5582, 7821..8099, 8627..9209, 10156..10184		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82743	Strand	-
Start	1	End	10184
Name	OJ000209_21.0313.C13.o1.gp	Method	AAT/GAP
Start	7797	End	8207
GI	2427597	Score	735
Exons	7797..8207		
GI Descrip.	1293688 7.0e-10 (U53827) STA1-2 [Silene latifolia ssp. alba] >gi_1293692 (U53829) STA1-18 [Silene latifolia ssp. alba]		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82744	Strand	-
Start	11896	End	16938
Name	OJ000209_21.0313.C13.o2.gs	Method	GENSCAN
Start	11896	End	16887
GI	none	Score	.56
Exons	11896..12787, 12899..12972, 14405..15182, 16859..16887		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82744	Strand	-
Start	11896	End	16938
Name	OJ000209_21.0313.C13.o2.np	Method	AAT/NAP
Start	14381	End	15231
GI	4262142	Score	675
Exons	14381..15231		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82744	Strand	-
Start	11896	End	16938
Name	OJ000209_21.0313.C13.o4.gp	Method	AAT/GAP
Start	14922	End	16938
GI	2428268	Score	760
Exons	14922..15182, 15898..15972, 16859..16938		
GI Descrip.	4262142/gb|AAD14442| 9.0e-13 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o1.tc	Method	TBLASTX:Cress
Start	3	End	18182
GI	none	Score	109
Exons	3..92, 108..269, 148..258, 7830..7904, 7875..7979, 8031..8102, 8870..8965, 8981..9112, 9021..9131, 11917..12012, 11983..12087, 12130..12312, 12137..12313, 12274..12417, 12436..12543, 12559..12708, 12599..12709, 14423..14482, 14468..14569, 14591..14797, 14625..14831, 14747..14917, 14918..15034, 14922..15035, 15038..15184, 15039..15185, 17649..17708, 17694..17786, 17829..18023, 17851..18057, 17994..18131, 18144..18182		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o1.ts	Method	TBLASTX:Soybean
Start	3	End	18194
GI	none	Score	118
Exons	3..98, 99..257, 148..258, 7815..7943, 7980..8102, 8624..8812, 8634..8777, 8870..8971, 8972..9112, 9021..9134, 11923..12051, 12088..12426, 12128..12364, 12436..12549, 12550..12708, 12599..12712, 14402..14536, 14424..14486, 14570..15184, 14745..15170, 17629..17712, 17631..17762, 17781..18194, 17848..17949, 17977..18114		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o1.tm	Method	TBLASTX:Maize
Start	6	End	18183
GI	none	Score	66
Exons	6..107, 99..275, 138..251, 148..300, 7830..7943, 8019..8102, 8589..8762, 8624..8806, 8870..8980, 8972..9112, 9018..9167, 11917..12051, 12128..12340, 12133..12414, 12433..12558, 12550..12708, 12596..12709, 14415..14486, 14423..14536, 14612..15034, 14613..15017, 15038..15184, 15039..15182, 15068..15193, 17649..17762, 17650..17712, 17788..18183, 17838..18182		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o1.tw	Method	TBLASTX:Wheat
Start	6	End	18194

GI	none	Score	61
Exons	6..62, 6..293, 123..275, 8870..9112, 8888..8941, 8955..9173, 12409..12789, 12533..12751, 14895..15053, 14912..15031, 15026..15184, 15027..15185, 18117..18194		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o3.np	Method	AAT/NAP
Start	17607	End	18195
GI	4262142	Score	460
Exons	17607..18195		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o3.gs	Method	GENSCAN
Start	17616	End	18112
GI	none	Score	.52
Exons	17616..18112		

Seq. No.	40003	Seq. ID	OJ000209_21.0313.C14
Gene No.	82746	Strand	+
Start	1183	End	1381
Name	OJ000209_21.0313.C14.o1.gs	Method	GENSCAN
Start	1183	End	1381
GI	none	Score	.92
Exons	1183..1381		

Seq. No.	40003	Seq. ID	OJ000209_21.0313.C14
Gene No.	82747	Strand	-
Start	399	End	1273
Name	OJ000209_21.0313.C14.o1.gp	Method	AAT/GAP
Start	399	End	1273
GI	2428268	Score	246
Exons	399..476, 1194..1273		
GI Descrip.	4262142/gb|AAD14442| 9.0e-13 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40004	Seq. ID	OJ000209_21.0313.C15
Gene No.	82748	Strand	-
Start	230	End	387
Name	OJ000209_21.0313.C15.o1.gs	Method	GENSCAN
Start	230	End	387
GI	none	Score	.52
Exons	230..296, 323..387		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82749	Strand	+
Start	1327	End	3495
Name	OJ000209_21.0313.C17.o1.gs	Method	GENSCAN
Start	1327	End	3489
GI	none	Score	.69
Exons	1327..1398, 2140..2172, 2518..3489		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17

Gene No.	82749	Strand	+
Start	1327	End	3495
Name	OJ000209_21.0313.C17.o1.gp	Method	AAT/GAP
Start	2109	End	2953
GI	uC-osrocyp009h02b1	Score	769
Exons	2109..2172, 2589..2953		
GI Descrip.	'58066/emb|X52324|ARBLSKM 2.0e-13 pBluescript SK(-) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82749	Strand	+
Start	1327	End	3495
Name	OJ000209_21.0313.C17.o1.np	Method	AAT/NAP
Start	2644	End	3495
GI	4262142	Score	544
Exons	2644..3495		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o1.tm	Method	TBLASTX:Maize
Start	2656	End	3453
GI	none	Score	142
Exons	2656..2847, 2845..2961, 2977..3255, 3360..3452, 3361..3453		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o1.tw	Method	TBLASTX:Wheat
Start	2661	End	2970
GI	none	Score	234
Exons	2661..2687, 2671..2847, 2688..2798, 2845..2961, 2908..2970		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o1.tc	Method	TBLASTX:Cress
Start	2677	End	3453
GI	none	Score	125
Exons	2677..2838, 2851..2955, 2971..3072, 3082..3264, 3394..3453		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o1.ts	Method	TBLASTX:Soybean
Start	2689	End	3513
GI	none	Score	234
Exons	2689..2970, 2979..3269, 2980..3279, 3306..3500, 3361..3513		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o2.gp	Method	AAT/GAP
Start	3195	End	3931
GI	2799196	Score	794
Exons	3195..3797, 3899..3931		

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GI Descrip.   58066/emb|X52324|ARBLSKM 2.0e-13 pBluescript SK(-) vector DNA,
              phagemid excised from lambda ZAP

Seq. No.      40006                         Seq. ID   OJ000209_21.0313.C18
Gene No.      82751                         Strand    +
Start         6293                          End       12445
Name          OJ000209_21.0313.C18.o1.np    Method    AAT/NAP
Start         6293                          End       12445
GI            7228457                       Score     9255
Exons         6293..6659, 6721..8656, 8720..9554, 9677..10828, 10895..12445
GI Descrip.   (AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type
              retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza
              sativa]

Seq. No.      40006                         Seq. ID   OJ000209_21.0313.C18
Gene No.      82752                         Strand    -
Start         25                            End       668
Name          OJ000209_21.0313.C18.o1.gs    Method    GENSCAN
Start         25                            End       668
GI            none                          Score     .94
Exons         25..389, 425..633, 655..668

Seq. No.      40006                         Seq. ID   OJ000209_21.0313.C18
Gene No.      82753                         Strand    -
Start         13093                         End       16321
Name          OJ000209_21.0313.C18.o4.gs    Method    GENSCAN
Start         13093                         End       16321
GI            none                          Score     .71
Exons         13093..14667, 14752..14965, 15060..16321

Seq. No.      40006                         Seq. ID   OJ000209_21.0313.C18
Gene No.      82753                         Strand    -
Start         13093                         End       16321
Name          OJ000209_21.0313.C18.o2.np    Method    AAT/NAP
Start         13096                         End       16321
GI            6907089                       Score     4142
Exons         13096..14965, 15060..16321
GI Descrip.   (AP001129) hypothetical protein [Oryza sativa]

Seq. No.      40006                         Seq. ID   OJ000209_21.0313.C18
Gene No.      82754                         Strand    -
Start         16984                         End       17204
Name          OJ000209_21.0313.C18.o1.tm    Method    TBLASTX:Maize
Start         1688                          End       2551
GI            none                          Score     160
Exons         1688..1933, 1849..1932, 1931..2062, 2063..2404, 2459..2551

Seq. No.      40006                         Seq. ID   OJ000209_21.0313.C18
Gene No.      82754                         Strand    -
Start         16984                         End       17204
Name          OJ000209_21.0313.C18.o7.tw    Method    TBLASTX:Wheat
Start         1757                          End       2056
GI            none                          Score     247
Exons         1757..1936, 1843..1938, 1931..2053, 1970..2056

Seq. No.      40006                         Seq. ID   OJ000209_21.0313.C18
Gene No.      82754                         Strand    -
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Start	16984	End	17204
Name	OJ000209_21.0313.C18.o1.tc	Method	TBLASTX:Cress
Start	1763	End	2020
GI	none	Score	227
Exons	1763..2020		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o1.ts	Method	TBLASTX:Soybean
Start	1775	End	2560
GI	none	Score	242
Exons	1775..2056, 1840..1950, 2075..2362, 2459..2560, 2488..2550		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o4.tw	Method	TBLASTX:Wheat
Start	2661	End	11833
GI	none	Score	375
Exons	2661..2744, 11452..11508, 11453..11833, 11554..11802		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o6.tw	Method	TBLASTX:Wheat
Start	6947	End	7339
GI	none	Score	58
Exons	6947..6994, 7001..7099, 7018..7098, 7066..7227, 7082..7339		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o5.tm	Method	TBLASTX:Maize
Start	6952	End	7237
GI	none	Score	193
Exons	6952..7236, 6989..7237		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o5.tw	Method	TBLASTX:Wheat
Start	7347	End	10807
GI	none	Score	234
Exons	7347..7400, 10373..10597, 10373..10597, 10438..10611, 10658..10807, 10669..10806		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o3.tw	Method	TBLASTX:Wheat
Start	8077	End	8560
GI	none	Score	418
Exons	8077..8214, 8078..8560, 8117..8239, 8272..8532		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-

Start	16984	End	17204
Name	OJ000209_21.0313.C18.o1.tw	Method	TBLASTX:Wheat
Start	8727	End	9190
GI	none	Score	211
Exons	8727..9170, 8728..9189, 8729..9190		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o4.ts	Method	TBLASTX:Soybean
Start	8768	End	9133
GI	none	Score	117
Exons	8768..8992, 8999..9133		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o2.tm	Method	TBLASTX:Maize
Start	8858	End	9214
GI	none	Score	392
Exons	8858..9214, 8893..9204, 8909..9214		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o4.tm	Method	TBLASTX:Maize
Start	9241	End	9625
GI	none	Score	360
Exons	9241..9606, 9242..9625		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o2.tw	Method	TBLASTX:Wheat
Start	9299	End	9723
GI	none	Score	488
Exons	9299..9718, 9304..9723		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o2.ts	Method	TBLASTX:Soybean
Start	9377	End	9748
GI	none	Score	271
Exons	9377..9748, 9394..9537		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o3.ts	Method	TBLASTX:Soybean
Start	10496	End	11062
GI	5666795	Score	68
Exons	10496..10594, 10670..10807, 10862..11062		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-

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Start         16984                         End      17204
Name          OJ000209_21.0313.C18.o9.tw    Method   TBLASTX:Wheat
Start         10810                         End      11122
GI            none                          Score    191
Exons         10810..10986, 10841..11011, 10862..11122

Seq. No.      40006                         Seq. ID  OJ000209_21.0313.C18
Gene No.      82754                         Strand   -
Start         16984                         End      17204
Name          OJ000209_21.0313.C18.o3.tm    Method   TBLASTX:Maize
Start         11315                         End      11638
GI            none                          Score    366
Exons         11315..11638, 11344..11625

Seq. No.      40006                         Seq. ID  OJ000209_21.0313.C18
Gene No.      82754                         Strand   -
Start         16984                         End      17204
Name          OJ000209_21.0313.C18.o8.tw    Method   TBLASTX:Wheat
Start         11834                         End      12436
GI            none                          Score    259
Exons         11834..12118, 11839..12117, 12310..12432, 12311..12436

Seq. No.      40006                         Seq. ID  OJ000209_21.0313.C18
Gene No.      82754                         Strand   -
Start         16984                         End      17204
Name          OJ000209_21.0313.C18.o6.tm    Method   TBLASTX:Maize
Start         12305                         End      12448
GI            none                          Score    184
Exons         12305..12448, 12310..12444

Seq. No.      40006                         Seq. ID  OJ000209_21.0313.C18
Gene No.      82754                         Strand   -
Start         16984                         End      17204
Name          OJ000209_21.0313.C18.o3.np    Method   AAT/NAP
Start         16984                         End      17204
GI            7523512                       Score    118
Exons         16984..17204
GI Descrip.   (AP001633) hypothetical protein [Oryza sativa]

Seq. No.      40007                         Seq. ID  OJ000209_21.0313.C19
Gene No.      82755                         Strand   +
Start         1                             End      122
Name          OJ000209_21.0313.C19.o1.np    Method   AAT/NAP
Start         1                             End      122
GI            5042454                       Score    70
Exons         1..122
GI Descrip.   (AC007789) putative polyprotein [Oryza sativa]

Seq. No.      40007                         Seq. ID  OJ000209_21.0313.C19
Gene No.      82756                         Strand   +
Start         258                           End      723
Name          OJ000209_21.0313.C19.o1.gp    Method   AAT/GAP
Start         258                           End      723
GI            LIB3432-059-P1-K1-D8          Score    725
Exons         258..723
GI Descrip.   '5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic
              DNA, chromosome 6, clone:P0538C01'
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Seq. No.	40007	Seq. ID	OJ000209_21.0313.C19
Gene No.	82757	Strand	-
Start	202	End	282
Name	OJ000209_21.0313.C19.o1.gs	Method	GENSCAN
Start	202	End	282
GI	none	Score	.86
Exons	202..282		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82758	Strand	+
Start	533	End	4366
Name	OJ000209_21.0313.C23.o1.gs	Method	GENSCAN
Start	533	End	3631
GI	none	Score	.51
Exons	533..687, 899..1404, 2088..2216, 2613..2764, 2839..3062, 3242..3305, 3405..3631		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82758	Strand	+
Start	533	End	4366
Name	OJ000209_21.0313.C23.o1.np	Method	AAT/NAP
Start	871	End	3866
GI	6815107	Score	370
Exons	871..1427, 1514..1879, 1970..2238, 3839..3866		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82758	Strand	+
Start	533	End	4366
Name	OJ000209_21.0313.C23.o2.np	Method	AAT/NAP
Start	917	End	4366
GI	7485859	Score	525
Exons	917..1404, 1494..1860, 1954..2402, 2471..2750, 2831..2958, 4326..4366		
GI Descrip.	hypothetical protein F20D10.300 - Arabidopsis thaliana gi|4467124|emb|CAB37558.1| (AL035538) hypothetical protein [Arabidopsis thaliana] gi|7270802|emb|CAB80483.1| (AL161593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.tc	Method	TBLASTX:Cress
Start	1525	End	1845
GI	none	Score	183
Exons	1525..1845, 1665..1835		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o1.tm	Method	TBLASTX:Maize
Start	1570	End	2082
GI	none	Score	298
Exons	1570..1848, 1572..1847, 1959..2042, 1969..2082		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o1.ts	Method	TBLASTX:Soybean
Start	1630	End	2289
GI	none	Score	209
Exons	1630..1851, 1668..1832, 1956..2042, 1969..2289, 2118..2252		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.tw	Method	TBLASTX:Wheat
Start	1959	End	2319
GI	none	Score	241
Exons	1959..2045, 1969..2319		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.gs	Method	GENSCAN
Start	4782	End	5174
GI	none	Score	.81
Exons	4782..5174		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o3.np	Method	AAT/NAP
Start	4824	End	5298
GI	4262142	Score	228
Exons	4824..5143, 5248..5298		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o1.tw	Method	TBLASTX:Wheat
Start	4842	End	5129
GI	none	Score	253
Exons	4842..5024, 4844..5026, 5019..5129		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o1.tc	Method	TBLASTX:Cress
Start	4851	End	5108
GI	none	Score	218
Exons	4851..5108		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.ts	Method	TBLASTX:Soybean
Start	4863	End	5129
GI	none	Score	232
Exons	4863..5129, 4934..5038		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.tm	Method	TBLASTX:Maize
Start	4865	End	5137
GI	none	Score	191
Exons	4865..5008, 4866..5009, 5025..5129, 5027..5137		

Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82760	Strand	+
Start	482	End	1759
Name	OJ000209_21.0313.C24.o1.gs	Method	GENSCAN
Start	482	End	1756
GI	none	Score	.41
Exons	482..492, 952..1756		

Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82760	Strand	+
Start	482	End	1759
Name	OJ000209_21.0313.C24.o1.gp	Method	AAT/GAP
Start	598	End	1184
GI	none	Score	856
Exons	598..734, 823..1184		

Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82760	Strand	+
Start	482	End	1759
Name	OJ000209_21.0313.C24.o1.np	Method	AAT/NAP
Start	901	End	1759
GI	4262142	Score	621
Exons	901..1759		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82761	Strand	-
Start	1426	End	1773
Name	OJ000209_21.0313.C24.o1.tw	Method	TBLASTX:Wheat
Start	854	End	1228
GI	none	Score	36
Exons	854..883, 937..1110, 950..1105, 1103..1228, 1142..1228		

Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82761	Strand	-
Start	1426	End	1773
Name	OJ000209_21.0313.C24.o1.tm	Method	TBLASTX:Maize
Start	937	End	1267
GI	none	Score	145
Exons	937..1044, 938..1093, 941..1084, 1109..1267, 1142..1264		

Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82761	Strand	-
Start	1426	End	1773
Name	OJ000209_21.0313.C24.o1.ts	Method	TBLASTX:Soybean
Start	950	End	1717
GI	none	Score	182
Exons	950..1213, 964..1119, 1469..1549, 1609..1716, 1610..1717		

Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82761	Strand	-
Start	1426	End	1773
Name	OJ000209_21.0313.C24.o2.gp	Method	AAT/GAP
Start	1426	End	1773
GI	uC-osrocyp006c05a1	Score	681
Exons	1426..1773		
GI Descrip.	'4262142/gb|AAD14442| 2.0e-19 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	40010	Seq. ID	OJ000209_21.0313.C26
Gene No.	82762	Strand	-
Start	1	End	976
Name	OJ000209_21.0313.C26.o1.np	Method	AAT/NAP
Start	1	End	963
GI	6815062	Score	578
Exons	1..794, 886..963		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	40010	Seq. ID	OJ000209_21.0313.C26
Gene No.	82762	Strand	-
Start	1	End	976
Name	OJ000209_21.0313.C26.o1.tm	Method	TBLASTX:Maize
Start	126	End	595
GI	none	Score	51
Exons	126..191, 130..186, 161..262, 193..300, 193..261, 283..429, 284..400, 460..594, 470..595		

Seq. No.	40010	Seq. ID	OJ000209_21.0313.C26
Gene No.	82762	Strand	-
Start	1	End	976
Name	OJ000209_21.0313.C26.o1.gs	Method	GENSCAN
Start	626	End	976
GI	none	Score	.4
Exons	626..742, 886..976		

Seq. No.	40011	Seq. ID	OJ000209_21.0313.C27
Gene No.	82763	Strand	-
Start	1	End	2371
Name	OJ000209_21.0313.C27.o1.np	Method	AAT/NAP
Start	1	End	2371
GI	5690095	Score	1047
Exons	1..1869, 1972..2371		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	40011	Seq. ID	OJ000209_21.0313.C27
Gene No.	82763	Strand	-
Start	1	End	2371
Name	OJ000209_21.0313.C27.o1.gs	Method	GENSCAN
Start	125	End	2371
GI	none	Score	.43
Exons	125..354, 460..1024, 1181..2371		

Seq. No.	40011	Seq. ID	OJ000209_21.0313.C27
Gene No.	82763	Strand	-

Start	1	End	2371
Name	OJ000209_21.0313.C27.o1.tm	Method	TBLASTX:Maize
Start	449	End	1015
GI	none	Score	219
Exons	449..829, 471..839, 492..839, 866..1015		

Seq. No.	40012	Seq. ID	OJ000209_21.0313.C29
Gene No.	82764	Strand	-
Start	1	End	2449
Name	OJ000209_21.0313.C29.o1.gp	Method	AAT/GAP
Start	1	End	1474
GI	13284_1.R1084	Score	1509
Exons	1..112, 201..236, 367..497, 853..1125, 1197..1474		
GI Descrip.	'5803253/dbj|BAA83563.1| 7.0e-17 (AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]'		

Seq. No.	40012	Seq. ID	OJ000209_21.0313.C29
Gene No.	82764	Strand	-
Start	1	End	2449
Name	OJ000209_21.0313.C29.o1.np	Method	AAT/NAP
Start	1	End	2449
GI	5803253	Score	249
Exons	1..112, 367..497, 853..1108, 1183..1297, 1408..1527, 2430..2449		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	40012	Seq. ID	OJ000209_21.0313.C29
Gene No.	82764	Strand	-
Start	1	End	2449
Name	OJ000209_21.0313.C29.o1.gs	Method	GENSCAN
Start	201	End	2375
GI	none	Score	.95
Exons	201..236, 367..497, 853..1125, 1197..1324, 1408..1527, 1619..1696, 1756..1827, 1948..2007, 2254..2375		

Seq. No.	40013	Seq. ID	OJ000209_21.0313.C31
Gene No.	82765	Strand	-
Start	1	End	1295
Name	OJ000209_21.0313.C31.o1.np	Method	AAT/NAP
Start	1	End	1295
GI	5803253	Score	192
Exons	1..27, 242..372, 583..873, 967..1024, 1130..1295		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	40013	Seq. ID	OJ000209_21.0313.C31
Gene No.	82765	Strand	-
Start	1	End	1295
Name	OJ000209_21.0313.C31.o1.gs	Method	GENSCAN
Start	242	End	1079
GI	none	Score	.82
Exons	242..372, 583..858, 952..1079		

Seq. No.	40013	Seq. ID	OJ000209_21.0313.C31
Gene No.	82765	Strand	-
Start	1	End	1295
Name	OJ000209_21.0313.C31.o1.gp	Method	AAT/GAP
Start	927	End	1295
GI	none	Score	496
Exons	927..1079, 1155..1295		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.gp	Method	AAT/GAP
Start	1	End	2152
GI	3303_1.R1084	Score	1672
Exons	1..90, 185..256, 458..577, 726..823, 1294..1453, 1533..1631, 1773..1970, 2055..2152		
GI Descrip.	'2623298 0.0e+00 (AC002409) putative 4-alpha-glucanotransferase [Arabidopsis thaliana]'		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.np	Method	AAT/NAP
Start	1	End	2152
GI	7484782	Score	1067
Exons	1..90, 185..256, 458..577, 726..823, 1294..1453, 1503..1631, 1773..1970, 2055..2152		
GI Descrip.	4-alpha-glucanotransferase homolog T20B5.4 - Arabidopsis thaliana gi|2623298|gb|AAB86444.1| (AC002409) 4-alpha-glucanotransferase [Arabidopsis thaliana]		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o2.tm	Method	TBLASTX:Maize
Start	11	End	1372
GI	none	Score	115
Exons	11..91, 13..90, 176..256, 182..256, 184..261, 450..578, 456..575, 457..582, 458..583, 716..805, 717..821, 722..829, 1289..1372, 1290..1364		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.tc	Method	TBLASTX:Cress
Start	13	End	1456
GI	none	Score	96
Exons	13..90, 185..256, 457..567, 458..577, 705..821, 713..829, 726..839, 1282..1455, 1289..1456		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.gs	Method	GENSCAN
Start	55	End	2148
GI	none	Score	.9
Exons	55..90, 185..256, 458..577, 726..823, 1294..1453, 1533..1631,		

1773..1970, 2055..2148

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.tw	Method	TBLASTX:Wheat
Start	717	End	1848
GI	none	Score	167
Exons	717..821, 719..823, 719..829, 723..836, 1289..1456, 1291..1455, 1524..1637, 1529..1633, 1532..1666, 1533..1652, 1756..1848, 1764..1847, 1771..1848		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.ts	Method	TBLASTX:Soybean
Start	761	End	1860
GI	none	Score	90
Exons	761..829, 762..821, 1282..1455, 1289..1456, 1532..1663, 1533..1652, 1751..1840, 1756..1839, 1764..1856, 1771..1860, 1772..1846		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.tm	Method	TBLASTX:Maize
Start	1374	End	2154
GI	none	Score	64
Exons	1374..1454, 1380..1454, 1381..1455, 1381..1455, 1382..1456, 1524..1637, 1529..1633, 1532..1666, 1533..1652, 1764..1970, 1771..1971, 1772..1966, 2026..2085, 2033..2149, 2051..2149, 2052..2150, 2052..2150, 2053..2154		

Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82767	Strand	+
Start	131	End	520
Name	OJ000209_21.0313.C33.o1.gp	Method	AAT/GAP
Start	131	End	520
GI	3303_1.R1084	Score	738
Exons	131..520		
GI Descrip.	'2623298 0.0e+00 (AC002409) putative 4-alpha-glucanotransferase [Arabidopsis thaliana]'		

Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82767	Strand	+
Start	131	End	520
Name	OJ000209_21.0313.C33.o1.np	Method	AAT/NAP
Start	131	End	288
GI	7484782	Score	83
Exons	131..288		
GI Descrip.	4-alpha-glucanotransferase homolog T20B5.4 - Arabidopsis thaliana gi|2623298|gb|AAB86444.1| (AC002409) 4-alpha-glucanotransferase [Arabidopsis thaliana]		

Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82767	Strand	+
Start	131	End	520

Name	OJ000209_21.0313.C33.o1.gs	Method	GENSCAN
Start	131	End	291
GI	none	Score	.52
Exons	131..291		

Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82768	Strand	-
Start	2384	End	2830
Name	OJ000209_21.0313.C33.o1.tm	Method	TBLASTX:Maize
Start	133	End	509
GI	none	Score	143
Exons	133..228, 136..213, 138..221, 140..232, 226..339, 226..339, 227..358, 411..509		

Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82768	Strand	-
Start	2384	End	2830
Name	OJ000209_21.0313.C33.o2.gs	Method	GENSCAN
Start	2384	End	2830
GI	none	Score	.99
Exons	2384..2830		

Seq. No.	40016	Seq. ID	OJ000209_20.0313.C1
Gene No.	82769	Strand	-
Start	638	End	1573
Name	OJ000209_20.0313.C1.o1.gs	Method	GENSCAN
Start	638	End	1573
GI	none	Score	.78
Exons	638..762, 1537..1573		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82770	Strand	+
Start	1	End	2958
Name	OJ000209_20.0313.C3.o1.np	Method	AAT/NAP
Start	1	End	2958
GI	7434424	Score	1580
Exons	1..233, 297..2473, 2591..2958		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) A1, receptor type - long-staminate rice gi|2586083|gb|AAB82755.1| (U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82771	Strand	+
Start	3256	End	3846
Name	OJ000209_20.0313.C3.o1.gp	Method	AAT/GAP
Start	3256	End	3846
GI	37204_1.R1084	Score	1148
Exons	3256..3846		
GI Descrip.	'5262760/emb|CAB45908.1| 6.0e-25 (AL080283) Beta-COP-like protein [Arabidopsis thaliana]'		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o1.tc	Method	TBLASTX:Cress
Start	17	End	2688
GI	none	Score	61

Exons	17..211, 23..214, 23..214, 29..226, 32..217, 40..174, 58..213, 79..285, 122..217, 125..274, 331..498, 335..574, 335..574, 335..577, 450..569, 527..568, 584..772, 596..772, 628..750, 809..892, 827..895, 878..1465, 878..1525, 896..1597, 902..1294, 902..1168, 905..1522, 970..1092, 1009..1170, 1043..1648, 1055..1600, 1069..1239, 1081..1242, 1127..1603, 1226..1384, 1339..1548, 1342..1596, 1357..1596, 1369..1539, 1385..1453, 1441..1596, 1501..1596, 1568..1669, 2230..2382, 2443..2472, 2596..2688		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o1.ts	Method	TBLASTX:Soybean
Start	19	End	1672
GI	none	Score	101
Exons	19..216, 20..214, 32..217, 32..265, 335..580, 404..574, 593..763, 629..778, 899..1453, 926..1525, 932..1672, 1361..1597, 1424..1597		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.tm	Method	TBLASTX:Maize
Start	32	End	1603
GI	none	Score	79
Exons	32..217, 118..213, 125..214, 206..244, 335..574, 335..580, 335..574, 335..574, 470..574, 584..769, 878..1507, 896..1579, 979..1179, 983..1603, 1262..1597, 1331..1597, 1351..1569		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o1.tw	Method	TBLASTX:Wheat
Start	470	End	1477
GI	none	Score	88
Exons	470..637, 542..940, 836..1078, 962..1147, 964..1029, 1034..1180, 1382..1477		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.tc	Method	TBLASTX:Cress
Start	1871	End	2155
GI	none	Score	272
Exons	1871..2155, 1969..2151		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.ts	Method	TBLASTX:Soybean
Start	1871	End	2772
GI	none	Score	88
Exons	1871..2008, 1978..2163, 1979..2212, 2233..2382, 2248..2403, 2614..2727, 2746..2772		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3

Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o3.tm	Method	TBLASTX:Maize
Start	2011	End	2420
GI	none	Score	179
Exons	2011..2175, 2012..2179, 2233..2382, 2248..2373, 2310..2420		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o4.tm	Method	TBLASTX:Maize
Start	2424	End	2949
GI	none	Score	63
Exons	2424..2471, 2425..2472, 2592..2738, 2605..2748, 2812..2949		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.tw	Method	TBLASTX:Wheat
Start	3626	End	3852
GI	none	Score	164
Exons	3626..3847, 3664..3852, 3666..3836, 3667..3849		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o3.tc	Method	TBLASTX:Cress
Start	3628	End	3801
GI	none	Score	103
Exons	3628..3801, 3664..3801		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o3.ts	Method	TBLASTX:Soybean
Start	3658	End	4701
GI	none	Score	160
Exons	3658..3864, 3664..3864, 4627..4701, 4628..4690, 4630..4692		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o1.tm	Method	TBLASTX:Maize
Start	3664	End	4702
GI	none	Score	141
Exons	3664..3864, 3666..3863, 3667..3864, 3674..3865, 4625..4693, 4627..4701, 4628..4702		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.np	Method	AAT/NAP
Start	3664	End	4706
GI	7447851	Score	370
Exons	3664..3865, 4628..4706		
GI Descrip.	hypothetical protein F3L17.60 - Arabidopsis thaliana gi|5262760|emb|CAB45908.1| (AL080283) Beta-COP-like protein		

[Arabidopsis thaliana] gi|7270052|emb|CAB79867.1| (AL161579)
Beta-COP-like protein [Arabidopsis thaliana]

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.gp	Method	AAT/GAP
Start	4127	End	4661
GI	none	Score	1046
Exons	4127..4661		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.gp	Method	AAT/GAP
Start	193	End	1860
GI	24251_1.R1084	Score	1456
Exons	193..735, 1620..1860		
GI Descrip.	'5262759/emb|CAB45907.1| 1.0e-126 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.np	Method	AAT/NAP
Start	221	End	3677
GI	7447851	Score	3306
Exons	221..749, 1604..3677		
GI Descrip.	hypothetical protein F3L17.60 - Arabidopsis thaliana gi|5262760|emb|CAB45908.1| (AL080283) Beta-COP-like protein [Arabidopsis thaliana] gi|7270052|emb|CAB79867.1| (AL161579) Beta-COP-like protein [Arabidopsis thaliana]		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.tm	Method	TBLASTX:Maize
Start	223	End	2316
GI	none	Score	597
Exons	223..738, 223..738, 1620..2096, 1623..1658, 1627..2079, 1737..2081, 2082..2315, 2085..2315, 2116..2316		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o2.ts	Method	TBLASTX:Soybean
Start	223	End	1763
GI	none	Score	109
Exons	223..360, 226..354, 325..738, 356..736, 361..738, 1613..1729, 1618..1758, 1620..1763, 1627..1761		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.tc	Method	TBLASTX:Cress
Start	291	End	1773
GI	none	Score	314

Exons	291..647, 291..737, 292..738, 292..738, 696..740, 1613..1762, 1615..1773, 1620..1772		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.tw	Method	TBLASTX:Wheat
Start	555	End	1821
GI	none	Score	93
Exons	555..638, 555..737, 556..738, 556..738, 1613..1819, 1618..1818, 1620..1820, 1627..1821		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.ts	Method	TBLASTX:Soybean
Start	1764	End	2351
GI	none	Score	242
Exons	1764..2045, 1768..2043, 2046..2165, 2050..2166, 2056..2166, 2076..2180, 2078..2203, 2179..2208, 2205..2351, 2215..2343		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o4.tc	Method	TBLASTX:Cress
Start	1773	End	2154
GI	none	Score	156
Exons	1773..2033, 1776..2009, 1777..2034, 1986..2147, 2041..2154		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o2.tc	Method	TBLASTX:Cress
Start	2154	End	2567
GI	none	Score	253
Exons	2154..2567, 2169..2558, 2182..2565		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o3.tm	Method	TBLASTX:Maize
Start	2428	End	2768
GI	none	Score	246
Exons	2428..2640, 2460..2768, 2627..2692		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o3.ts	Method	TBLASTX:Soybean
Start	2751	End	3107
GI	none	Score	66
Exons	2751..2966, 2776..2856, 2911..2955, 2955..3107, 2970..3107		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o2.tm	Method	TBLASTX:Maize

Start	3093	End	3648
GI	none	Score	117
Exons	3093..3218, 3093..3458, 3094..3414, 3417..3644, 3463..3648		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o3.tc	Method	TBLASTX:Cress
Start	3105	End	3677
GI	none	Score	250
Exons	3105..3458, 3106..3414, 3423..3677, 3466..3645		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o4.ts	Method	TBLASTX:Soybean
Start	3303	End	3679
GI	none	Score	177
Exons	3303..3458, 3304..3414, 3423..3677, 3463..3666, 3549..3677, 3650..3679		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o2.gp	Method	AAT/GAP
Start	3343	End	3796
GI	49663_1.R1084	Score	885
Exons	3343..3796		
GI Descrip.	'4206196/gb|AAD11584.1|AAD11584 3.0e-10 (AF071527) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40019	Seq. ID	OJ000209_20.0313.C5
Gene No.	82774	Strand	+
Start	371	End	1971
Name	OJ000209_20.0313.C5.o1.gs	Method	GENSCAN
Start	371	End	896
GI	none	Score	.75
Exons	371..680, 802..896		

Seq. No.	40019	Seq. ID	OJ000209_20.0313.C5
Gene No.	82774	Strand	+
Start	371	End	1971
Name	OJ000209_20.0313.C5.o1.np	Method	AAT/NAP
Start	690	End	1971
GI	3309082	Score	73
Exons	690..768, 802..884, 1948..1971		
GI Descrip.	(AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]		

Seq. No.	40020	Seq. ID	OJ000209_20.0313.C6
Gene No.	82775	Strand	+
Start	363	End	2420
Name	OJ000209_20.0313.C6.o1.gs	Method	GENSCAN
Start	363	End	2420
GI	none	Score	.67
Exons	363..423, 1659..1820, 1909..2053, 2231..2420		

Seq. No.	40020	Seq. ID	OJ000209_20.0313.C6

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Gene No.     82776                           Strand    -
Start        2634                            End       3518
Name         OJ000209_20.0313.C6.o2.gs       Method    GENSCAN
Start        2634                            End       3518
GI           none                            Score     .57
Exons        2634..2941, 2947..3061, 3097..3518

Seq. No.     40020                           Seq. ID   OJ000209_20.0313.C6
Gene No.     82776                           Strand    -
Start        2634                            End       3518
Name         OJ000209_20.0313.C6.o1.tm       Method    TBLASTX:Maize
Start        2724                            End       3171
GI           none                            Score     146
Exons        2724..2855, 2935..3171

Seq. No.     40021                           Seq. ID   OJ000209_20.0313.C7
Gene No.     82777                           Strand    +
Start        8751                            End       14368
Name         OJ000209_20.0313.C7.o1.np       Method    AAT/NAP
Start        8751                            End       12706
GI           4680186                         Score     298
Exons        8751..8798, 10676..10833, 12311..12706
GI Descrip.  (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.     40021                           Seq. ID   OJ000209_20.0313.C7
Gene No.     82777                           Strand    +
Start        8751                            End       14368
Name         OJ000209_20.0313.C7.o4.gs       Method    GENSCAN
Start        10687                           End       14155
GI           none                            Score     .5
Exons        10687..10865, 11334..11491, 12309..12466, 12642..12739,
             12775..12921, 13039..13141, 13715..14155

Seq. No.     40021                           Seq. ID   OJ000209_20.0313.C7
Gene No.     82777                           Strand    +
Start        8751                            End       14368
Name         OJ000209_20.0313.C7.o1.gp       Method    AAT/GAP
Start        11504                           End       11983
GI           38782_1.R1084                   Score     824
Exons        11504..11983
GI Descrip.  '6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic
             DNA, chromosome 6, clone:P0514G12'

Seq. No.     40021                           Seq. ID   OJ000209_20.0313.C7
Gene No.     82777                           Strand    +
Start        8751                            End       14368
Name         OJ000209_20.0313.C7.o2.np       Method    AAT/NAP
Start        13417                           End       14368
GI           6907086                         Score     1096
Exons        13417..14172, 14230..14368
GI Descrip.  (AP001129) hypothetical protein [Oryza sativa]

Seq. No.     40021                           Seq. ID   OJ000209_20.0313.C7
Gene No.     82778                           Strand    -
Start        253                             End       866
Name         OJ000209_20.0313.C7.o1.gs       Method    GENSCAN
Start        253                             End       866
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GI	none	Score	.67
Exons	253..458, 497..866		

Seq. No.	40021	Seq. ID	OJ000209_20.0313.C7
Gene No.	82779	Strand	-
Start	3538	End	5350
Name	OJ000209_20.0313.C7.o2.gs	Method	GENSCAN
Start	3538	End	5350
GI	none	Score	.73
Exons	3538..4469, 4543..5350		

Seq. No.	40021	Seq. ID	OJ000209_20.0313.C7
Gene No.	82780	Strand	-
Start	7034	End	8750
Name	OJ000209_20.0313.C7.o3.gs	Method	GENSCAN
Start	7034	End	8750
GI	none	Score	.87
Exons	7034..8343, 8429..8750		

Seq. No.	40022	Seq. ID	OJ000209_20.0313.C8
Gene No.	82781	Strand	+
Start	1	End	1981
Name	OJ000209_20.0313.C8.o1.np	Method	AAT/NAP
Start	1	End	447
GI	6907086	Score	241
Exons	1..447		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40022	Seq. ID	OJ000209_20.0313.C8
Gene No.	82781	Strand	+
Start	1	End	1981
Name	OJ000209_20.0313.C8.o2.np	Method	AAT/NAP
Start	1	End	1981
GI	6907088	Score	136
Exons	1..27, 757..1001, 1906..1981		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40022	Seq. ID	OJ000209_20.0313.C8
Gene No.	82782	Strand	-
Start	69	End	293
Name	OJ000209_20.0313.C8.o1.gs	Method	GENSCAN
Start	69	End	293
GI	none	Score	.57
Exons	69..293		

Seq. No.	40022	Seq. ID	OJ000209_20.0313.C8
Gene No.	82783	Strand	-
Start	1871	End	1981
Name	OJ000209_20.0313.C8.o3.np	Method	AAT/NAP
Start	1871	End	1981
GI	6907086	Score	132
Exons	1871..1981		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40023	Seq. ID	OJ000209_20.0313.C9
Gene No.	82784	Strand	+
Start	2701	End	3179

Name	OJ000209_20.0313.C9.o1.gp	Method	AAT/GAP
Start	2701	End	3179
GI	38782_1.R1084	Score	800
Exons	2701..3179		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	40023	Seq. ID	OJ000209_20.0313.C9
Gene No.	82785	Strand	-
Start	1	End	1304
Name	OJ000209_20.0313.C9.o1.np	Method	AAT/NAP
Start	1	End	1304
GI	6907086	Score	1134
Exons	1..481, 539..1304		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40023	Seq. ID	OJ000209_20.0313.C9
Gene No.	82786	Strand	-
Start	1978	End	7193
Name	OJ000209_20.0313.C9.o2.np	Method	AAT/NAP
Start	1978	End	7193
GI	4680186	Score	204
Exons	1978..2396, 2897..2955, 7154..7193		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40024	Seq. ID	OJ000209_20.0313.C10
Gene No.	82787	Strand	+
Start	115	End	285
Name	OJ000209_20.0313.C10.o1.gs	Method	GENSCAN
Start	115	End	285
GI	none	Score	.99
Exons	115..234, 274..285		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.np	Method	AAT/NAP
Start	1	End	1967
GI	6522541	Score	935
Exons	1..1524, 1644..1967		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o2.tc	Method	TBLASTX:Cress
Start	225	End	1741
GI	none	Score	209
Exons	225..575, 237..707, 240..647, 240..440, 249..512, 264..647, 264..647, 384..629, 393..554, 549..650, 1284..1427, 1358..1483, 1661..1741		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o2.tm	Method	TBLASTX:Maize
Start	225	End	710

GI	none	Score	171
Exons	225..509, 255..581, 309..710, 368..709, 435..647		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o2.ts	Method	TBLASTX:Soybean
Start	225	End	719
GI	none	Score	280
Exons	225..719, 240..647, 372..650, 383..577, 419..649, 488..709		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.gs	Method	GENSCAN
Start	434	End	1960
GI	none	Score	.78
Exons	434..1524, 1644..1960		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.tc	Method	TBLASTX:Cress
Start	921	End	1202
GI	none	Score	283
Exons	921..1202, 926..1180		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1828
GI	none	Score	83
Exons	921..1010, 938..994, 1028..1213, 1029..1265, 1254..1427, 1275..1424, 1312..1425, 1361..1429, 1642..1806, 1643..1828		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.tm	Method	TBLASTX:Maize
Start	1061	End	1427
GI	none	Score	180
Exons	1061..1225, 1062..1229, 1269..1427, 1275..1424		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o3.tm	Method	TBLASTX:Maize
Start	1484	End	1882
GI	none	Score	192
Exons	1484..1522, 1642..1803, 1655..1882		

Seq. No.	40026	Seq. ID	OJ000209_20.0313.C13
Gene No.	82789	Strand	+
Start	393	End	539
Name	OJ000209_20.0313.C13.o1.gs	Method	GENSCAN
Start	393	End	539

GI	none	Score	.75
Exons	393..539		

Seq. No.	40027	Seq. ID	OJ000209_20.0313.C14
Gene No.	82790	Strand	-
Start	92	End	1281
Name	OJ000209_20.0313.C14.o1.gs	Method	GENSCAN
Start	92	End	1281
GI	none	Score	.82
Exons	92..904, 1021..1281		

Seq. No.	40028	Seq. ID	OJ000209_20.0313.C15
Gene No.	82791	Strand	+
Start	1032	End	1839
Name	OJ000209_20.0313.C15.o1.gs	Method	GENSCAN
Start	1032	End	1839
GI	none	Score	.48
Exons	1032..1123, 1749..1839		

Seq. No.	40028	Seq. ID	OJ000209_20.0313.C15
Gene No.	82792	Strand	-
Start	2160	End	2527
Name	OJ000209_20.0313.C15.o2.gs	Method	GENSCAN
Start	2160	End	2527
GI	none	Score	.97
Exons	2160..2357, 2522..2527		

Seq. No.	40029	Seq. ID	OJ000209_20.0313.C17
Gene No.	82793	Strand	+
Start	2354	End	2542
Name	OJ000209_20.0313.C17.o1.gp	Method	AAT/GAP
Start	2354	End	2542
GI	none	Score	313
Exons	2354..2542		

Seq. No.	40030	Seq. ID	OJ000209_20.0313.C18
Gene No.	82794	Strand	+
Start	373	End	923
Name	OJ000209_20.0313.C18.o1.gp	Method	AAT/GAP
Start	373	End	923
GI	none	Score	522
Exons	373..435, 701..923		

Seq. No.	40030	Seq. ID	OJ000209_20.0313.C18
Gene No.	82794	Strand	+
Start	373	End	923
Name	OJ000209_20.0313.C18.o1.gs	Method	GENSCAN
Start	379	End	434
GI	none	Score	.64
Exons	379..434		

Seq. No.	40031	Seq. ID	OJ000209_20.0313.C19
Gene No.	82795	Strand	+
Start	3191	End	3750
Name	OJ000209_20.0313.C19.o1.np	Method	AAT/NAP
Start	3191	End	3750
GI	6815052	Score	189

Exons	3191..3324, 3647..3750		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40031	Seq. ID	OJ000209_20.0313.C19
Gene No.	82796	Strand	-
Start	3166	End	4232
Name	OJ000209_20.0313.C19.o1.gs	Method	GENSCAN
Start	3166	End	4232
GI	none	Score	.45
Exons	3166..3282, 3642..3781, 3989..4232		

Seq. No.	40032	Seq. ID	OJ000209_20.0313.C20
Gene No.	82797	Strand	-
Start	53	End	104
Name	OJ000209_20.0313.C20.o1.gs	Method	GENSCAN
Start	53	End	104
GI	none	Score	.98
Exons	53..104		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82798	Strand	+
Start	788	End	6735
Name	OJ000209_20.0313.C21.o1.np	Method	AAT/NAP
Start	788	End	6735
GI	5917666	Score	140
Exons	788..810, 1740..2063, 5115..5767, 6714..6735		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82798	Strand	+
Start	788	End	6735
Name	OJ000209_20.0313.C21.o2.gs	Method	GENSCAN
Start	3493	End	6203
GI	none	Score	.52
Exons	3493..3632, 3746..4002, 5575..5739, 6136..6203		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82799	Strand	+
Start	8095	End	9442
Name	OJ000209_20.0313.C21.o3.gs	Method	GENSCAN
Start	8095	End	9442
GI	none	Score	.73
Exons	8095..8143, 8394..8554, 8993..9019, 9149..9171, 9436..9442		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82800	Strand	+
Start	24467	End	25196
Name	OJ000209_20.0313.C21.o6.gs	Method	GENSCAN
Start	24467	End	25196
GI	none	Score	.51
Exons	24467..24818, 25162..25196		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82801	Strand	+
Start	27231	End	32948
Name	OJ000209_20.0313.C21.o7.gs	Method	GENSCAN
Start	27231	End	32637

GI	none	Score	.69
Exons	27231..27408, 28263..28358, 28478..28640, 29240..29343, 29374..29472, 29818..29879, 30363..30449, 31513..31615, 32160..32260, 32381..32515, 32550..32637		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82801	Strand	+
Start	27231	End	32948
Name	OJ000209_20.0313.C21.o4.np	Method	AAT/NAP
Start	28265	End	32948
GI	5668816	Score	524
Exons	28265..28358, 28478..28616, 29363..29472, 29818..29877, 29961..30052, 30132..30267, 30363..30461, 31537..31615, 31694..31801, 32160..32260, 32381..32446, 32550..32637, 32926..32948		
GI Descrip.	(AC007519) F16N3.15 [Arabidopsis thaliana]		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82801	Strand	+
Start	27231	End	32948
Name	OJ000209_20.0313.C21.o3.gp	Method	AAT/GAP
Start	29438	End	30250
GI	2312701	Score	529
Exons	29438..29472, 29818..29879, 29961..30052, 30132..30250		
GI Descrip.	5668816/gb|AAD46042.1|AC007519_27 1.0e-30 (AC007519) F16N3.15 [Arabidopsis thaliana]		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82802	Strand	-
Start	946	End	2360
Name	OJ000209_20.0313.C21.o1.gs	Method	GENSCAN
Start	946	End	2360
GI	none	Score	.68
Exons	946..1749, 1785..2360		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82803	Strand	-
Start	2747	End	2889
Name	OJ000209_20.0313.C21.o1.gp	Method	AAT/GAP
Start	2747	End	2889
GI	LIB3431-027-P1-K1-D5	Score	234
Exons	2747..2889		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82804	Strand	-
Start	11465	End	14139
Name	OJ000209_20.0313.C21.o4.gs	Method	GENSCAN
Start	11465	End	14139
GI	none	Score	.58
Exons	11465..11474, 11540..11768, 12460..12917, 13004..14139		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82805	Strand	-
Start	16649	End	22057
Name	OJ000209_20.0313.C21.o5.gs	Method	GENSCAN

Start	16649	End	22030
GI	none	Score	.47
Exons	16649..17347, 17362..17923, 18944..19217, 19755..20313, 20755..20783, 20975..21185, 21671..22030		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82805	Strand	-
Start	16649	End	22057
Name	OJ000209_20.0313.C21.o2.gp	Method	AAT/GAP
Start	18700	End	19238
GI	35853_1.R1084	Score	951
Exons	18700..19238		
GI Descrip.	'3287693 1.0e-26 (AC003979) Similar to LIM17 gene product gb_1653769 from the genome of Synechocystis sp. gb_D90916. [Arabidopsis thaliana]'		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82805	Strand	-
Start	16649	End	22057
Name	OJ000209_20.0313.C21.o2.np	Method	AAT/NAP
Start	18925	End	22057
GI	7267646	Score	2046
Exons	18925..19217, 19755..20313, 20755..21185, 21671..22057		
GI Descrip.	(AL161515) neutral invertase like protein [Arabidopsis thaliana]		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o1.tm	Method	TBLASTX:Maize
Start	15129	End	20922
GI	none	Score	67
Exons	15129..15161, 15159..15245, 15168..15272, 15169..15273, 15275..15343, 18923..18979, 18931..18978, 18961..19215, 18967..19218, 18971..19219, 18977..19225, 19755..19904, 19755..19898, 19756..20313, 19756..20298, 19757..20314, 20205..20312, 20754..20921, 20755..20922, 20756..20914		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o3.tc	Method	TBLASTX:Cress
Start	15129	End	19225
GI	none	Score	97
Exons	15129..15272, 15133..15267, 15275..15343, 18931..19218, 18935..19219, 19032..19220, 19034..19225		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o2.ts	Method	TBLASTX:Soybean
Start	18970	End	20026
GI	none	Score	95
Exons	18970..19215, 19037..19213, 19755..19904, 19756..20025, 19758..20012, 19759..20025, 19922..20026		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-

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Start      22389                         End      32948
Name       OJ000209_20.0313.C21.o1.tc    Method   TBLASTX:Cress
Start      19762                         End      20225
GI         none                          Score    295
Exons      19762..19809, 19795..19872, 19877..20206, 19885..20208,
           19913..20206, 19959..20207, 19971..20225

Seq. No.   40033                         Seq. ID  OJ000209_20.0313.C21
Gene No.   82806                         Strand   -
Start      22389                         End      32948
Name       OJ000209_20.0313.C21.o2.tw    Method   TBLASTX:Wheat
Start      20035                         End      20324
GI         none                          Score    238
Exons      20035..20298, 20036..20314, 20036..20314, 20145..20315,
           20217..20324

Seq. No.   40033                         Seq. ID  OJ000209_20.0313.C21
Gene No.   82806                         Strand   -
Start      22389                         End      32948
Name       OJ000209_20.0313.C21.o1.ts    Method   TBLASTX:Soybean
Start      20042                         End      21087
GI         none                          Score    203
Exons      20042..20236, 20042..20188, 20044..20241, 20044..20235,
           20233..20298, 20234..20314, 20243..20314, 20753..20917,
           20755..20922, 20755..20922, 20756..20923, 20918..20986,
           20922..21077, 20922..21086, 20923..21084, 20923..21087

Seq. No.   40033                         Seq. ID  OJ000209_20.0313.C21
Gene No.   82806                         Strand   -
Start      22389                         End      32948
Name       OJ000209_20.0313.C21.o1.tw    Method   TBLASTX:Wheat
Start      20745                         End      21075
GI         none                          Score    155
Exons      20745..20921, 20755..20922, 20755..20922, 20756..20923,
           20910..21074, 20922..21074, 20923..21075, 20923..21075

Seq. No.   40033                         Seq. ID  OJ000209_20.0313.C21
Gene No.   82806                         Strand   -
Start      22389                         End      32948
Name       OJ000209_20.0313.C21.o2.tc    Method   TBLASTX:Cress
Start      20771                         End      21123
GI         none                          Score    132
Exons      20771..20914, 20773..20922, 20922..21122, 20923..21123,
           20923..21123

Seq. No.   40033                         Seq. ID  OJ000209_20.0313.C21
Gene No.   82806                         Strand   -
Start      22389                         End      32948
Name       OJ000209_20.0313.C21.o3.tm    Method   TBLASTX:Maize
Start      20923                         End      21188
GI         none                          Score    268
Exons      20923..21186, 20923..21180, 20925..21188

Seq. No.   40033                         Seq. ID  OJ000209_20.0313.C21
Gene No.   82806                         Strand   -
Start      22389                         End      32948
Name       OJ000209_20.0313.C21.o3.ts    Method   TBLASTX:Soybean
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Start         21090                           End       21800
GI            none                            Score     104
Exons         21090..21188, 21091..21186, 21668..21799, 21717..21800

Seq. No.      40033                           Seq. ID   OJ000209_20.0313.C21
Gene No.      82806                           Strand    -
Start         22389                           End       32948
Name          OJ000209_20.0313.C21.o4.tc      Method    TBLASTX:Cress
Start         21126                           End       21998
GI            none                            Score     75
Exons         21126..21188, 21668..21793, 21668..21799, 21720..21821,
              21890..21958, 21891..21998

Seq. No.      40033                           Seq. ID   OJ000209_20.0313.C21
Gene No.      82806                           Strand    -
Start         22389                           End       32948
Name          OJ000209_20.0313.C21.o2.tm      Method    TBLASTX:Maize
Start         21674                           End       22037
GI            none                            Score     109
Exons         21674..21805, 21674..21802, 21806..21835, 21807..21836,
              21833..21910, 21834..21908, 21911..22036, 21911..22030,
              21933..22037

Seq. No.      40033                           Seq. ID   OJ000209_20.0313.C21
Gene No.      82806                           Strand    -
Start         22389                           End       32948
Name          OJ000209_20.0313.C21.o3.np      Method    AAT/NAP
Start         22389                           End       32948
GI            5917666                         Score     157
Exons         22389..22485, 24412..25090, 27295..27532, 27652..27826,
              28505..28638, 32879..32948
GI Descrip.   (AF159297) extensin-like protein [Zea mays]

Seq. No.      40033                           Seq. ID   OJ000209_20.0313.C21
Gene No.      82806                           Strand    -
Start         22389                           End       32948
Name          OJ000209_20.0313.C21.o4.tm      Method    TBLASTX:Maize
Start         30353                           End       32280
GI            none                            Score     95
Exons         30353..30448, 30353..30451, 30354..30452, 30372..30452,
              31496..31582, 31512..31571, 31513..31587, 31698..31802,
              31698..31802, 31699..31803, 32157..32252, 32161..32259,
              32162..32263, 32164..32280

Seq. No.      40034                           Seq. ID   OJ000209_20.0313.C22
Gene No.      82807                           Strand    +
Start         1                               End       777
Name          OJ000209_20.0313.C22.o1.np      Method    AAT/NAP
Start         1                               End       777
GI            5668816                         Score     230
Exons         1..116, 646..777
GI Descrip.   (AC007519) F16N3.15 [Arabidopsis thaliana]

Seq. No.      40034                           Seq. ID   OJ000209_20.0313.C22
Gene No.      82808                           Strand    +
Start         2252                            End       2650
Name          OJ000209_20.0313.C22.o1.tm      Method    TBLASTX:Maize
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Start	48	End	768
GI	none	Score	105
Exons	48..119, 49..114, 646..768, 648..767		

Seq. No.	40034	Seq. ID	OJ000209_20.0313.C22
Gene No.	82808	Strand	+
Start	2252	End	2650
Name	OJ000209_20.0313.C22.o2.gs	Method	GENSCAN
Start	2252	End	2650
GI	none	Score	.47
Exons	2252..2650		

Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.np	Method	AAT/NAP
Start	835	End	2793
GI	6522545	Score	253
Exons	835..862, 2580..2793		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.gp	Method	AAT/GAP
Start	1627	End	2062
GI	3762664	Score	682
Exons	1627..2062		

Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.gs	Method	GENSCAN
Start	1931	End	2776
GI	none	Score	.97
Exons	1931..2776		

Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.tc	Method	TBLASTX:Cress
Start	2631	End	2783
GI	none	Score	157
Exons	2631..2783, 2633..2782		

Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.ts	Method	TBLASTX:Soybean
Start	2631	End	2783
GI	none	Score	189
Exons	2631..2783, 2633..2782		

Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.tm	Method	TBLASTX:Maize

Start	2634	End	2768
GI	none	Score	158
Exons	2634..2768, 2636..2764		

Seq. No.	40036	Seq. ID	OJ000209_20.0313.C24
Gene No.	82810	Strand	-
Start	79	End	1152
Name	OJ000209_20.0313.C24.o1.gs	Method	GENSCAN
Start	79	End	1152
GI	none	Score	.4
Exons	79..174, 1008..1152		

Seq. No.	40037	Seq. ID	OJ000209_20.0313.C25
Gene No.	82811	Strand	+
Start	582	End	784
Name	OJ000209_20.0313.C25.o1.gs	Method	GENSCAN
Start	582	End	784
GI	none	Score	.74
Exons	582..642, 675..784		

Seq. No.	40038	Seq. ID	OJ000209_27.0309.C4
Gene No.	82812	Strand	+
Start	375	End	3268
Name	OJ000209_27.0309.C4.o1.np	Method	AAT/NAP
Start	375	End	1656
GI	7489646	Score	268
Exons	375..464, 557..700, 806..949, 1266..1343, 1478..1530, 1622..1656		
GI Descrip.	leucine-rich repeat protein LRP - sorghum gi|1710124|gb|AAC49559.1| (U62279) leucine-rich repeat-containing extracellular glycoprotein; contains six N-glycosylation sites [NX(S/T)] [Sorghum bicolor]		

Seq. No.	40038	Seq. ID	OJ000209_27.0309.C4
Gene No.	82812	Strand	+
Start	375	End	3268
Name	OJ000209_27.0309.C4.o1.gs	Method	GENSCAN
Start	1282	End	3268
GI	none	Score	.63
Exons	1282..1343, 1810..1894, 2774..3268		

Seq. No.	40038	Seq. ID	OJ000209_27.0309.C4
Gene No.	82813	Strand	-
Start	3904	End	4320
Name	OJ000209_27.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	394	End	956
GI	none	Score	75
Exons	394..486, 537..701, 558..701, 576..701, 599..700, 807..920, 818..925, 819..956, 819..914, 819..950		

Seq. No.	40038	Seq. ID	OJ000209_27.0309.C4
Gene No.	82813	Strand	-
Start	3904	End	4320
Name	OJ000209_27.0309.C4.o1.tc	Method	TBLASTX:Cress
Start	558	End	971
GI	none	Score	89
Exons	558..692, 561..665, 561..704, 561..692, 561..701, 561..695, 561..695, 566..682, 569..676, 576..677, 581..703, 795..950,		

810..941, 810..941, 810..950, 810..950, 810..968, 810..941, 810..971, 815..949, 819..935, 824..970

Seq. No.	40038	Seq. ID	OJ000209_27.0309.C4
Gene No.	82813	Strand	-
Start	3904	End	4320
Name	OJ000209_27.0309.C4.o2.gs	Method	GENSCAN
Start	3904	End	4320
GI	none	Score	.75
Exons	3904..4095, 4297..4320		

Seq. No.	40039	Seq. ID	OJ000209_27.0309.C5
Gene No.	82814	Strand	+
Start	1	End	1397
Name	OJ000209_27.0309.C5.o1.np	Method	AAT/NAP
Start	1	End	1397
GI	7489646	Score	378
Exons	1..120, 213..356, 461..604, 958..1035, 1134..1186, 1363..1397		
GI Descrip.	leucine-rich repeat protein LRP - sorghum gi|1710124|gb|AAC49559.1| (U62279) leucine-rich repeat-containing extracellular glycoprotein; contains six N-glycosylation sites [NX(S/T)] [Sorghum bicolor]		

Seq. No.	40039	Seq. ID	OJ000209_27.0309.C5
Gene No.	82814	Strand	+
Start	1	End	1397
Name	OJ000209_27.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	49	End	629
GI	none	Score	91
Exons	49..129, 50..142, 210..356, 214..354, 465..596, 498..629		

Seq. No.	40039	Seq. ID	OJ000209_27.0309.C5
Gene No.	82814	Strand	+
Start	1	End	1397
Name	OJ000209_27.0309.C5.o1.tw	Method	TBLASTX:Wheat
Start	50	End	605
GI	none	Score	71
Exons	50..142, 214..357, 214..348, 214..312, 429..605		

Seq. No.	40039	Seq. ID	OJ000209_27.0309.C5
Gene No.	82814	Strand	+
Start	1	End	1397
Name	OJ000209_27.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	214	End	611
GI	none	Score	95
Exons	214..357, 214..333, 214..357, 214..333, 214..360, 217..360, 217..348, 217..348, 444..611, 465..596, 465..605, 465..605, 465..596		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82815	Strand	+
Start	1323	End	7171
Name	OJ000209_27.0309.C7.o1.gs	Method	GENSCAN
Start	1323	End	7171
GI	none	Score	.89
Exons	1323..1448, 1551..1616, 2430..2518, 2915..3060, 3145..3269, 3366..3459, 3546..3709, 3851..4012, 4085..4211, 4314..4480,		

4515..4709, 6564..6747, 7119..7171

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82815	Strand	+
Start	1323	End	7171
Name	OJ000209_27.0309.C7.o1.np	Method	AAT/NAP
Start	1323	End	4889
GI	4995890	Score	1812
Exons	1323..1448, 1551..1616, 2430..2518, 2915..3060, 3145..3269, 3366..3459, 3546..3709, 3851..4012, 4085..4211, 4314..4480, 4602..4713, 4804..4889		
GI Descrip.	(AJ242659) serine palmitoyltransferase [Solanum tuberosum]		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82815	Strand	+
Start	1323	End	7171
Name	OJ000209_27.0309.C7.o2.gp	Method	AAT/GAP
Start	4929	End	5183
GI	17209_1.R1084	Score	427
Exons	4929..5183		
GI Descrip.	'984755/emb|Z54153|OSCHINDPR 9.0e-37 O.sativa mRNA for chilling-inducible protein'		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82816	Strand	+
Start	9438	End	10083
Name	OJ000209_27.0309.C7.o3.gp	Method	AAT/GAP
Start	9438	End	10083
GI	58063_1.R1084	Score	1200
Exons	9438..10083		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82817	Strand	-
Start	280	End	376
Name	OJ000209_27.0309.C7.o1.gp	Method	AAT/GAP
Start	280	End	376
GI	5867_1.R1084	Score	127
Exons	280..376		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o2.tc	Method	TBLASTX:Cress
Start	1265	End	3203
GI	none	Score	148
Exons	1265..1438, 1305..1448, 1548..1616, 1548..1616, 2427..2519, 2428..2517, 2913..3062, 2969..3064, 3144..3203		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o3.ts	Method	TBLASTX:Soybean
Start	1323	End	2462
GI	none	Score	158
Exons	1323..1448, 1334..1438, 1400..1450, 1548..1616, 1548..1616, 1550..1618, 2412..2462		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o5.tm	Method	TBLASTX:Maize
Start	1328	End	1616
GI	none	Score	141
Exons	1328..1444, 1329..1433, 1548..1616, 1548..1616		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	2463	End	4165
GI	none	Score	95
Exons	2463..2519, 2913..3062, 2972..3064, 3144..3269, 3156..3248, 3179..3268, 3345..3458, 3362..3457, 3363..3458, 3541..3723, 3548..3709, 3552..3722, 3554..3724, 3844..4014, 3849..4013, 3851..4042, 4079..4165, 4084..4161		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	2958	End	3609
GI	none	Score	154
Exons	2958..3062, 2972..3064, 3143..3271, 3148..3270, 3354..3449, 3362..3448, 3363..3449, 3508..3606, 3545..3607, 3545..3598, 3546..3608, 3547..3609		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o3.tc	Method	TBLASTX:Cress
Start	3565	End	3985
GI	none	Score	209
Exons	3565..3708, 3566..3709, 3568..3711, 3609..3710, 3844..3984, 3850..3984, 3851..3985		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o3.tm	Method	TBLASTX:Maize
Start	3849	End	4212
GI	none	Score	168
Exons	3849..4013, 3853..4014, 3854..4042, 3868..4014, 4079..4210, 4082..4210, 4084..4212		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7

Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o1.tc	Method	TBLASTX:Cress
Start	4082	End	4477
GI	none	Score	162
Exons	4082..4213, 4114..4212, 4313..4477, 4328..4462, 4341..4463		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o2.tm	Method	TBLASTX:Maize
Start	4340	End	4938
GI	none	Score	246
Exons	4340..4486, 4340..4486, 4375..4497, 4599..4742, 4601..4711, 4791..4892, 4792..4893, 4800..4919, 4906..4938		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o4.tm	Method	TBLASTX:Maize
Start	9507	End	9758
GI	none	Score	347
Exons	9507..9692, 9521..9757, 9528..9758		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o2.ts	Method	TBLASTX:Soybean
Start	9527	End	9737
GI	none	Score	100
Exons	9527..9694, 9530..9736, 9531..9737		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o2.gs	Method	GENSCAN
Start	9567	End	11266
GI	none	Score	.56
Exons	9567..9714, 10977..11266		

Seq. No.	40041	Seq. ID	OJ000209_27.0309.C8
Gene No.	82819	Strand	+
Start	859	End	5373
Name	OJ000209_27.0309.C8.o1.gs	Method	GENSCAN
Start	859	End	5373
GI	none	Score	.59
Exons	859..925, 2089..2239, 2244..2383, 2869..2992, 3321..3376, 3908..4211, 4420..4628, 5252..5373		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82820	Strand	+
Start	680	End	1131
Name	OJ000209_27.0309.C9.o1.gs	Method	GENSCAN
Start	680	End	1131
GI	none	Score	.67
Exons	680..796, 994..1131		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.gs	Method	GENSCAN
Start	2460	End	7250
GI	none	Score	.6
Exons	2460..2695, 2795..3814, 3917..4108, 4110..4200, 4410..4545, 4618..4660, 5066..5635, 5721..5923, 6091..6497, 6621..6903, 6955..7250		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o1.np	Method	AAT/NAP
Start	5028	End	8289
GI	4416302	Score	3788
Exons	5028..6713, 6774..8289		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	5028	End	5706
GI	none	Score	200
Exons	5028..5321, 5034..5651, 5095..5628, 5391..5630, 5632..5706, 5633..5698		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.ts	Method	TBLASTX:Soybean
Start	5046	End	5688
GI	none	Score	92
Exons	5046..5279, 5289..5621, 5299..5478, 5632..5688		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.tc	Method	TBLASTX:Cress
Start	5049	End	5507
GI	none	Score	67
Exons	5049..5261, 5280..5414, 5418..5507		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o3.tw	Method	TBLASTX:Wheat
Start	5094	End	5549
GI	none	Score	62
Exons	5094..5270, 5095..5211, 5292..5549, 5293..5394		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o6.tm	Method	TBLASTX:Maize
Start	5707	End	5910

GI	none	Score	161
Exons	5707..5910, 5708..5890		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o3.tm	Method	TBLASTX:Maize
Start	5949	End	6398
GI	none	Score	302
Exons	5949..6350, 5949..6398, 5950..6396		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o1.ts	Method	TBLASTX:Soybean
Start	6058	End	6665
GI	5509260	Score	267
Exons	6058..6441, 6059..6286, 6060..6440, 6447..6665		
GI Descrip.	-		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o1.tw	Method	TBLASTX:Wheat
Start	6066	End	6524
GI	none	Score	153
Exons	6066..6416, 6072..6419, 6085..6417, 6447..6524		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o1.tc	Method	TBLASTX:Cress
Start	6177	End	6458
GI	none	Score	85
Exons	6177..6458, 6196..6453		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o5.tm	Method	TBLASTX:Maize
Start	6399	End	6728
GI	none	Score	266
Exons	6399..6728, 6402..6692		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o4.tw	Method	TBLASTX:Wheat
Start	7012	End	7278
GI	none	Score	119
Exons	7012..7200, 7017..7172, 7204..7278		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.tm	Method	TBLASTX:Maize
Start	7014	End	7702

GI	none	Score	84
Exons	7014..7160, 7033..7290, 7035..7172, 7205..7630, 7210..7629, 7628..7702, 7630..7701		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o3.ts	Method	TBLASTX:Soybean
Start	7059	End	7521
GI	none	Score	223
Exons	7059..7151, 7210..7521		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o3.gs	Method	GENSCAN
Start	7351	End	9825
GI	none	Score	.74
Exons	7351..8091, 8200..8343, 8416..8681, 8729..9610, 9616..9825		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.tw	Method	TBLASTX:Wheat
Start	7366	End	7930
GI	none	Score	81
Exons	7366..7650, 7369..7551, 7582..7641, 7652..7678, 7652..7678, 7690..7929, 7709..7930		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o4.tm	Method	TBLASTX:Maize
Start	7702	End	8097
GI	none	Score	234
Exons	7702..7980, 7703..7981, 7755..7982, 7978..8097, 7982..8095		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o7.tm	Method	TBLASTX:Maize
Start	8161	End	8448
GI	none	Score	92
Exons	8161..8385, 8173..8379, 8174..8389, 8381..8443, 8395..8448, 8395..8445		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.np	Method	AAT/NAP
Start	8359	End	12043
GI	4416301	Score	81
Exons	8359..8492, 11991..12043		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	40043	Seq. ID	OJ000209_27.0309.C11
Gene No.	82822	Strand	+

Start	959	End	4592
Name	OJ000209_27.0309.C11.o1.gs	Method	GENSCAN
Start	959	End	2764
GI	none	Score	.62
Exons	959..1048, 1116..1212, 1298..1354, 1564..1650, 1807..1895, 2065..2094, 2627..2764		

Seq. No.	40043	Seq. ID	OJ000209_27.0309.C11
Gene No.	82822	Strand	+
Start	959	End	4592
Name	OJ000209_27.0309.C11.o1.gp	Method	AAT/GAP
Start	1156	End	1756
GI	426160	Score	684
Exons	1156..1214, 1298..1354, 1429..1497, 1564..1756		

Seq. No.	40043	Seq. ID	OJ000209_27.0309.C11
Gene No.	82822	Strand	+
Start	959	End	4592
Name	OJ000209_27.0309.C11.o2.gp	Method	AAT/GAP
Start	2130	End	4592
GI	2310498	Score	534
Exons	2130..2169, 4097..4236, 4341..4421, 4513..4592		

Seq. No.	40043	Seq. ID	OJ000209_27.0309.C11
Gene No.	82823	Strand	-
Start	4152	End	4706
Name	OJ000209_27.0309.C11.o2.gs	Method	GENSCAN
Start	4152	End	4706
GI	none	Score	.7
Exons	4152..4197, 4624..4706		

Seq. No.	40044	Seq. ID	OJ000209_27.0309.C12
Gene No.	82824	Strand	+
Start	78	End	8743
Name	OJ000209_27.0309.C12.o1.gs	Method	GENSCAN
Start	78	End	8743
GI	none	Score	.47
Exons	78..104, 1277..1428, 2008..2120, 2164..2386, 2448..2478, 3688..3840, 4315..4446, 5375..5489, 5569..5751, 5847..6073, 6452..6520, 6812..6893, 7620..7672, 8156..8529, 8613..8743		

Seq. No.	40044	Seq. ID	OJ000209_27.0309.C12
Gene No.	82824	Strand	+
Start	78	End	8743
Name	OJ000209_27.0309.C12.o2.tm	Method	TBLASTX:Maize
Start	2178	End	7063
GI	none	Score	100
Exons	2178..2360, 2187..2303, 6656..6889, 6872..7063		

Seq. No.	40044	Seq. ID	OJ000209_27.0309.C12
Gene No.	82824	Strand	+
Start	78	End	8743
Name	OJ000209_27.0309.C12.o1.np	Method	AAT/NAP
Start	4992	End	6573
GI	7140847	Score	312
Exons	4992..5237, 6526..6573		
GI Descrip.	(AF148654) maturase [Oryza glaberrima]		

Seq. No.	40044	Seq. ID	OJ000209_27.0309.C12
Gene No.	82824	Strand	+
Start	78	End	8743
Name	OJ000209_27.0309.C12.o1.tm	Method	TBLASTX:Maize
Start	5039	End	5232
GI	none	Score	242
Exons	5039..5224, 5040..5228, 5040..5225, 5041..5232		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82825	Strand	+
Start	5333	End	7997
Name	OJ000209_27.0309.C14.o1.gp	Method	AAT/GAP
Start	4512	End	5411
GI	3766905	Score	654
Exons	4512..4735, 5295..5411		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82825	Strand	+
Start	5333	End	7997
Name	OJ000209_27.0309.C14.o2.gs	Method	GENSCAN
Start	5333	End	7782
GI	none	Score	.62
Exons	5333..5511, 5780..5879, 5966..6101, 6334..6430, 6530..6596, 6710..6808, 6898..6987, 7081..7235, 7327..7434, 7617..7782		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82825	Strand	+
Start	5333	End	7997
Name	OJ000209_27.0309.C14.o2.gp	Method	AAT/GAP
Start	7157	End	7997
GI	3766906	Score	1026
Exons	7157..7235, 7327..7434, 7617..7997		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82826	Strand	-
Start	1143	End	2260
Name	OJ000209_27.0309.C14.o1.gs	Method	GENSCAN
Start	1143	End	2260
GI	none	Score	.43
Exons	1143..1186, 1936..2030, 2136..2260		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82827	Strand	
Start	5480	End	6049
Name	OJ000209_27.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	5480	End	6049
GI	none	Score	65
Exons	5480..5548, 5482..5547, 5661..5738, 5662..5739, 5811..5879, 5828..5896, 5944..6048, 5963..6049		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82828	Strand	
Start	6707	End	7239
Name	OJ000209_27.0309.C14.o3.tm	Method	TBLASTX:Maize
Start	6707	End	7239
GI	none	Score	117

Exons	6707..6844, 6712..6810, 6930..6992, 6945..6992, 7078..7239, 7080..7148		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82829	Strand	
Start	7358	End	7929
Name	OJ000209_27.0309.C14.o2.tm	Method	TBLASTX:Maize
Start	7358	End	7929
GI	none	Score	83
Exons	7358..7432, 7363..7434, 7611..7766, 7612..7767, 7614..7730, 7618..7758, 7741..7803, 7750..7797, 7793..7831, 7803..7832, 7852..7929, 7854..7907		

Seq. No.	40046	Seq. ID	OJ000209_27.0309.C15
Gene No.	82830	Strand	-
Start	371	End	593
Name	OJ000209_27.0309.C15.o1.gs	Method	GENSCAN
Start	371	End	593
GI	none	Score	.52
Exons	371..470, 540..593		

Seq. No.	40047	Seq. ID	OJ000209_27.0309.C16
Gene No.	82831	Strand	-
Start	232	End	2729
Name	OJ000209_27.0309.C16.o1.gs	Method	GENSCAN
Start	232	End	2729
GI	none	Score	.83
Exons	232..470, 580..833, 910..1015, 1236..1435, 2652..2729		

Seq. No.	40048	Seq. ID	OJ000209_27.0309.C17
Gene No.	82832	Strand	-
Start	1273	End	1648
Name	OJ000209_27.0309.C17.o1.gp	Method	AAT/GAP
Start	782	End	1648
GI	uC-osflM202035c02b1	Score	704
Exons	782..854, 1270..1404, 1475..1648		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	40048	Seq. ID	OJ000209_27.0309.C17
Gene No.	82832	Strand	-
Start	1273	End	1648
Name	OJ000209_27.0309.C17.o1.gs	Method	GENSCAN
Start	1273	End	1594
GI	none	Score	.93
Exons	1273..1404, 1475..1594		

Seq. No.	40049	Seq. ID	OJ000209_27.0309.C19
Gene No.	82833	Strand	+
Start	1	End	2729
Name	OJ000209_27.0309.C19.o1.np	Method	AAT/NAP
Start	1	End	2729
GI	7340702	Score	97
Exons	1..181, 2709..2729		
GI Descrip.	(AL162507) ATP-dependent RNA helicase-like protein [Arabidopsis thaliana]		

Seq. No.	40049	Seq. ID	OJ000209_27.0309.C19
Gene No.	82833	Strand	+
Start	1	End	2729
Name	OJ000209_27.0309.C19.o1.gs	Method	GENSCAN
Start	77	End	2001
GI	none	Score	.52
Exons	77..158, 263..337, 373..468, 656..710, 1896..2001		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.o1.gs	Method	GENSCAN
Start	1642	End	4637
GI	none	Score	.41
Exons	1642..1651, 2337..2434, 2785..3203, 4514..4637		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.o1.np	Method	AAT/NAP
Start	2752	End	4953
GI	2352492	Score	714
Exons	2752..3203, 4514..4953		
GI Descrip.	(AF005047) transport inhibitor response 1 [Arabidopsis thaliana] gi|2352494|gb|AAB69176.1| (AF005048) transport inhibitor response 1 [Arabidopsis thaliana]		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.o1.tc	Method	TBLASTX:Cress
Start	2755	End	4943
GI	none	Score	185
Exons	2755..2988, 3019..3204, 3055..3204, 4512..4667, 4615..4758, 4621..4761, 4725..4943, 4838..4936		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.o1.tm	Method	TBLASTX:Maize
Start	2766	End	3138
GI	none	Score	235
Exons	2766..2843, 2767..2988, 2907..2987, 2986..3132, 2987..3028, 3055..3138, 3057..3137		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.o1.ts	Method	TBLASTX:Soybean
Start	2827	End	4943
GI	none	Score	150
Exons	2827..2988, 2907..2987, 3052..3204, 3055..3204, 3057..3224, 4512..4943, 4571..4783, 4835..4936		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953

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Name          OJ000209_27.0309.C21.o1.gp    Method   AAT/GAP
Start         3099                          End      4847
GI            uC-osflM202082c04b1           Score    796
Exons         3099..3203, 4514..4847
GI Descrip.   '2352492 3.0e-22 (AF005047) transport inhibitor response 1
              [Arabidopsis thaliana] >gi_2352494 (AF005048) transport
              inhibitor response 1 [Arabidopsis thaliana]'

Seq. No.      40050                         Seq. ID  OJ000209_27.0309.C21
Gene No.      82834                         Strand   +
Start         1642                          End      4953
Name          OJ000209_27.0309.C21.o2.tm    Method   TBLASTX:Maize
Start         3139                          End      4951
GI            none                          Score    78
Exons         3139..3204, 4512..4574, 4580..4774, 4581..4946, 4838..4951

Seq. No.      40051                         Seq. ID  OJ000209_27.0309.C22
Gene No.      82835                         Strand   +
Start         1                             End      2258
Name          OJ000209_27.0309.C22.o1.gp    Method   AAT/GAP
Start         1                             End      1203
GI            uC-osflcyp028e01b1            Score    256
Exons         1..43, 1103..1203
GI Descrip.   '2352492 7.0e-23 (AF005047) transport inhibitor response 1
              [Arabidopsis thaliana] >gi_2352494 (AF005048) transport
              inhibitor response 1 [Arabidopsis thaliana]'

Seq. No.      40051                         Seq. ID  OJ000209_27.0309.C22
Gene No.      82835                         Strand   +
Start         1                             End      2258
Name          OJ000209_27.0309.C22.o1.np    Method   AAT/NAP
Start         1                             End      1927
GI            2352492                       Score    719
Exons         1..43, 1103..1927
GI Descrip.   (AF005047) transport inhibitor response 1 [Arabidopsis thaliana]
              gi|2352494|gb|AAB69176.1| (AF005048) transport inhibitor
              response 1 [Arabidopsis thaliana]

Seq. No.      40051                         Seq. ID  OJ000209_27.0309.C22
Gene No.      82835                         Strand   +
Start         1                             End      2258
Name          OJ000209_27.0309.C22.o1.gs    Method   GENSCAN
Start         1103                          End      1876
GI            none                          Score    .78
Exons         1103..1876

Seq. No.      40051                         Seq. ID  OJ000209_27.0309.C22
Gene No.      82835                         Strand   +
Start         1                             End      2258
Name          OJ000209_27.0309.C22.o2.gp    Method   AAT/GAP
Start         1532                          End      2258
GI            17257_1.R1084                 Score    1403
Exons         1532..2258
GI Descrip.   '2352492 4.0e-21 (AF005047) transport inhibitor response 1
              [Arabidopsis thaliana] >gi_2352494 (AF005048) transport
              inhibitor response 1 [Arabidopsis thaliana]'
```

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o1.tc	Method	TBLASTX:Cress
Start	2	End	1864
GI	none	Score	62
Exons	2..46, 150..176, 1103..1186, 1103..1216, 1211..1753, 1213..1749, 1223..1753, 1811..1864		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o1.tm	Method	TBLASTX:Maize
Start	1103	End	1861
GI	none	Score	99
Exons	1103..1186, 1201..1857, 1202..1861		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o1.ts	Method	TBLASTX:Soybean
Start	1103	End	1927
GI	none	Score	757
Exons	1103..1753, 1138..1743, 1811..1927		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o2.gs	Method	GENSCAN
Start	6889	End	8575
GI	none	Score	.76
Exons	6889..6946, 7216..7457, 8315..8575		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o2.np	Method	AAT/NAP
Start	7157	End	8834
GI	6539588	Score	308
Exons	7157..7486, 8756..8834		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82837	Strand	+
Start	1	End	12696
Name	OJ000209_27.0309.C23.o1.np	Method	AAT/NAP
Start	1	End	12693
GI	7485635	Score	333
Exons	1..47, 11443..12693		
GI Descrip.	hypothetical protein F17K2.25 - Arabidopsis thaliana gi|3386623|gb|AAC28553.1| (AC004665) unknown protein [Arabidopsis thaliana]		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82837	Strand	+
Start	1	End	12696
Name	OJ000209_27.0309.C23.o1.gs	Method	GENSCAN

09620392 .071400

Start	1686	End	2766
GI	none	Score	.54
Exons	1686..1797, 2531..2766		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82837	Strand	+
Start	1	End	12696
Name	OJ000209_27.0309.C23.o1.gp	Method	AAT/GAP
Start	9099	End	9192
GI	5004566	Score	125
Exons	9099..9192		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82837	Strand	+
Start	1	End	12696
Name	OJ000209_27.0309.C23.o3.gs	Method	GENSCAN
Start	11050	End	12696
GI	none	Score	.98
Exons	11050..12696		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82837	Strand	+
Start	1	End	12696
Name	OJ000209_27.0309.C23.o2.gp	Method	AAT/GAP
Start	11871	End	12250
GI	3060948	Score	740
Exons	11871..12250		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82838	Strand	-
Start	14336	End	16039
Name	OJ000209_27.0309.C23.o1.tm	Method	TBLASTX:Maize
Start	12423	End	12642
GI	none	Score	81
Exons	12423..12491, 12424..12492, 12495..12638, 12496..12642		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82838	Strand	-
Start	14336	End	16039
Name	OJ000209_27.0309.C23.o1.ts	Method	TBLASTX:Soybean
Start	12430	End	12690
GI	none	Score	67
Exons	12430..12492, 12504..12680, 12505..12690		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82838	Strand	-
Start	14336	End	16039
Name	OJ000209_27.0309.C23.o4.gs	Method	GENSCAN
Start	14336	End	16039
GI	none	Score	.51
Exons	14336..14616, 15892..16039		

Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723

Name	OJ000119_22.0331.C5.ol.gs	Method	GENSCAN
Start	38	End	701
GI	none	Score	.44
Exons	38..529, 621..701		

Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.ol.gp	Method	AAT/GAP
Start	128	End	509
GI	11703_6.R1084	Score	756
Exons	128..509		
GI Descrip.	'3319884/emb|CAA11891| 4.0e-09 (AJ224306) PRT1 [Arabidopsis thaliana] >gi_3319886_emb_CAA11892_ (AJ224307) PRT1 [Arabidopsis thaliana]'		

Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.ol.tm	Method	TBLASTX:Maize
Start	161	End	722
GI	none	Score	434
Exons	161..559, 212..274, 235..528, 338..544, 653..721, 654..722		

Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.ol.ts	Method	TBLASTX:Soybean
Start	199	End	722
GI	none	Score	172
Exons	199..438, 203..532, 235..510, 338..529, 636..722		

Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.ol.tw	Method	TBLASTX:Wheat
Start	203	End	703
GI	none	Score	117
Exons	203..298, 235..291, 299..529, 338..529, 618..701, 629..703		

Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.ol.np	Method	AAT/NAP
Start	206	End	723
GI	2190992	Score	440
Exons	206..529, 621..723		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.ol.tc	Method	TBLASTX:Cress
Start	224	End	544
GI	none	Score	338
Exons	224..544, 355..525		

Seq. No.	40054	Seq. ID	OJ000119_22.0331.C6
Gene No.	82840	Strand	+
Start	1	End	1090
Name	OJ000119_22.0331.C6.o1.np	Method	AAT/NAP
Start	1	End	1090
GI	4680186	Score	198
Exons	1..28, 302..436, 910..1090		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40054	Seq. ID	OJ000119_22.0331.C6
Gene No.	82841	Strand	-
Start	124	End	1019
Name	OJ000119_22.0331.C6.o1.gp	Method	AAT/GAP
Start	124	End	634
GI	38782_1.R1084	Score	798
Exons	124..634		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	40054	Seq. ID	OJ000119_22.0331.C6
Gene No.	82841	Strand	-
Start	124	End	1019
Name	OJ000119_22.0331.C6.o1.gs	Method	GENSCAN
Start	425	End	1019
GI	none	Score	.8
Exons	425..498, 965..1019		

Seq. No.	40055	Seq. ID	OJ000119_22.0331.C8
Gene No.	82842	Strand	-
Start	1	End	714
Name	OJ000119_22.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	714
GI	6983860	Score	564
Exons	1..714		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	40055	Seq. ID	OJ000119_22.0331.C8
Gene No.	82842	Strand	-
Start	1	End	714
Name	OJ000119_22.0331.C8.o1.gs	Method	GENSCAN
Start	77	End	623
GI	none	Score	.45
Exons	77..623		

Seq. No.	40055	Seq. ID	OJ000119_22.0331.C8
Gene No.	82842	Strand	-
Start	1	End	714
Name	OJ000119_22.0331.C8.o1.tw	Method	TBLASTX:Wheat
Start	306	End	657
GI	none	Score	94
Exons	306..656, 481..657		

Seq. No.	40055	Seq. ID	OJ000119_22.0331.C8
Gene No.	82842	Strand	-
Start	1	End	714
Name	OJ000119_22.0331.C8.o1.tm	Method	TBLASTX:Maize

Start	351	End	656
GI	none	Score	86
Exons	351..656, 526..642		

Seq. No.	40056	Seq. ID	OJ000119_22.0331.C11
Gene No.	82843	Strand	+
Start	88	End	716
Name	OJ000119_22.0331.C11.o1.gs	Method	GENSCAN
Start	88	End	592
GI	none	Score	.56
Exons	88..237, 343..440, 459..592		

Seq. No.	40056	Seq. ID	OJ000119_22.0331.C11
Gene No.	82843	Strand	+
Start	88	End	716
Name	OJ000119_22.0331.C11.o1.np	Method	AAT/NAP
Start	227	End	716
GI	6002794	Score	704
Exons	227..716		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	40057	Seq. ID	OJ000119_22.0331.C12
Gene No.	82844	Strand	+
Start	243	End	1827
Name	OJ000119_22.0331.C12.o1.np	Method	AAT/NAP
Start	243	End	1827
GI	5257279	Score	1646
Exons	243..1827		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	40057	Seq. ID	OJ000119_22.0331.C12
Gene No.	82844	Strand	+
Start	243	End	1827
Name	OJ000119_22.0331.C12.o3.tm	Method	TBLASTX:Maize
Start	426	End	746
GI	none	Score	199
Exons	426..746, 470..535		

Seq. No.	40057	Seq. ID	OJ000119_22.0331.C12
Gene No.	82844	Strand	+
Start	243	End	1827
Name	OJ000119_22.0331.C12.o3.tw	Method	TBLASTX:Wheat
Start	429	End	827
GI	none	Score	166
Exons	429..650, 429..482, 473..583, 659..805, 663..827		

Seq. No.	40057	Seq. ID	OJ000119_22.0331.C12
Gene No.	82844	Strand	+
Start	243	End	1827
Name	OJ000119_22.0331.C12.o1.tw	Method	TBLASTX:Wheat
Start	974	End	1457
GI	none	Score	502
Exons	974..1273, 975..1457, 1089..1448		

Seq. No.	40057	Seq. ID	OJ000119_22.0331.C12
Gene No.	82844	Strand	+

```
Start         243                          End       1827
Name          OJ000119_22.0331.C12.o2.tm   Method    TBLASTX:Maize
Start         992                          End       1274
GI            none                         Score     311
Exons         992..1204, 993..1274, 1083..1271

Seq. No.      40057                        Seq. ID   OJ000119_22.0331.C12
Gene No.      82844                        Strand    +
Start         243                          End       1827
Name          OJ000119_22.0331.C12.o1.tm   Method    TBLASTX:Maize
Start         1344                         End       1823
GI            none                         Score     163
Exons         1344..1523, 1509..1823

Seq. No.      40057                        Seq. ID   OJ000119_22.0331.C12
Gene No.      82844                        Strand    +
Start         243                          End       1827
Name          OJ000119_22.0331.C12.o1.ts   Method    TBLASTX:Soybean
Start         1398                         End       1793
GI            none                         Score     56
Exons         1398..1430, 1398..1427, 1434..1793, 1434..1742

Seq. No.      40057                        Seq. ID   OJ000119_22.0331.C12
Gene No.      82844                        Strand    +
Start         243                          End       1827
Name          OJ000119_22.0331.C12.o2.tw   Method    TBLASTX:Wheat
Start         1506                         End       1827
GI            none                         Score     386
Exons         1506..1826, 1525..1827, 1544..1825

Seq. No.      40058                        Seq. ID   OJ000119_22.0331.C14
Gene No.      82845                        Strand    -
Start         220                          End       412
Name          OJ000119_22.0331.C14.o1.np   Method    AAT/NAP
Start         220                          End       412
GI            4680186                      Score     190
Exons         220..412
GI Descrip.   (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.      40058                        Seq. ID   OJ000119_22.0331.C14
Gene No.      82846                        Strand    -
Start         337                          End       424
Name          OJ000119_22.0331.C14.o1.gs   Method    GENSCAN
Start         337                          End       424
GI            none                         Score     .63
Exons         337..424

Seq. No.      40059                        Seq. ID   OJ000119_22.0331.C15
Gene No.      82847                        Strand    -
Start         534                          End       1133
Name          OJ000119_22.0331.C15.o1.gs   Method    GENSCAN
Start         534                          End       1133
GI            none                         Score     .88
Exons         534..711, 940..1133

Seq. No.      40060                        Seq. ID   OJ000119_22.0331.C16
Gene No.      82848                        Strand    +
```

Start	1	End	939
Name	OJ000119_22.0331.C16.o1.np	Method	AAT/NAP
Start	1	End	939
GI	6063554	Score	95
Exons	1..137, 754..939		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40060	Seq. ID	OJ000119_22.0331.C16
Gene No.	82848	Strand	+
Start	1	End	939
Name	OJ000119_22.0331.C16.o1.gs	Method	GENSCAN
Start	119	End	235
GI	none	Score	.51
Exons	119..235		

Seq. No.	40060	Seq. ID	OJ000119_22.0331.C16
Gene No.	82849	Strand	+
Start	1299	End	1470
Name	OJ000119_22.0331.C16.o1.gp	Method	AAT/GAP
Start	1299	End	1470
GI	LIB3433-026-P1-K1-C1	Score	246
Exons	1299..1470		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40060	Seq. ID	OJ000119_22.0331.C16
Gene No.	82850	Strand	-
Start	1	End	1982
Name	OJ000119_22.0331.C16.o2.np	Method	AAT/NAP
Start	1	End	1982
GI	6069653	Score	386
Exons	1..26, 1600..1982		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	40060	Seq. ID	OJ000119_22.0331.C16
Gene No.	82850	Strand	-
Start	1	End	1982
Name	OJ000119_22.0331.C16.o2.gs	Method	GENSCAN
Start	1671	End	1937
GI	none	Score	.64
Exons	1671..1937		

Seq. No.	40061	Seq. ID	OJ000119_22.0331.C17
Gene No.	82851	Strand	+
Start	1	End	282
Name	OJ000119_22.0331.C17.o1.gp	Method	AAT/GAP
Start	1	End	282
GI	4878407	Score	407
Exons	1..282		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	40061	Seq. ID	OJ000119_22.0331.C17
Gene No.	82852	Strand	-
Start	1	End	586

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Name          OJ000119_22.0331.C17.o1.np    Method   AAT/NAP
Start         1                             End      586
GI            4680186                       Score    181
Exons         1..114, 430..586
GI Descrip.   (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.      40062                         Seq. ID  OJ000119_22.0331.C18
Gene No.      82853                         Strand   +
Start         1                             End      756
Name          OJ000119_22.0331.C18.o1.np    Method   AAT/NAP
Start         1                             End      756
GI            3894385                       Score    395
Exons         1..756
GI Descrip.   (AF053994) Hcr2-0A [Lycopersicon esculentum]

Seq. No.      40062                         Seq. ID  OJ000119_22.0331.C18
Gene No.      82853                         Strand   +
Start         1                             End      756
Name          OJ000119_22.0331.C18.o1.ts    Method   TBLASTX:Soybean
Start         1                             End      597
GI            none                          Score    68
Exons         1..78, 3..221, 136..261, 136..237, 136..222, 138..236, 139..249,
              139..261, 145..237, 301..444, 301..591, 313..441, 322..441,
              324..440, 333..440, 466..597

Seq. No.      40062                         Seq. ID  OJ000119_22.0331.C18
Gene No.      82853                         Strand   +
Start         1                             End      756
Name          OJ000119_22.0331.C18.o1.tc    Method   TBLASTX:Cress
Start         55                            End      738
GI            none                          Score    100
Exons         55..252, 139..237, 310..441, 313..738, 319..441, 336..440

Seq. No.      40062                         Seq. ID  OJ000119_22.0331.C18
Gene No.      82853                         Strand   +
Start         1                             End      756
Name          OJ000119_22.0331.C18.o1.tm    Method   TBLASTX:Maize
Start         301                           End      509
GI            none                          Score    82
Exons         301..456, 304..507, 322..444, 325..429, 336..509

Seq. No.      40063                         Seq. ID  OJ000119_22.0331.C19
Gene No.      82854                         Strand   +
Start         91                            End      453
Name          OJ000119_22.0331.C19.o1.gs    Method   GENSCAN
Start         91                            End      453
GI            none                          Score    .91
Exons         91..171, 376..453

Seq. No.      40064                         Seq. ID  OJ000119_22.0331.C20
Gene No.      82855                         Strand   +
Start         1042                          End      2091
Name          OJ000119_22.0331.C20.o1.gs    Method   GENSCAN
Start         1042                          End      2091
GI            none                          Score    .93
Exons         1042..1368, 1470..1848, 1988..2091
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Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.o1.np	Method	AAT/NAP
Start	1045	End	1835
GI	2190992	Score	727
Exons	1045..1368, 1470..1835		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.o1.tm	Method	TBLASTX:Maize
Start	1053	End	1811
GI	none	Score	372
Exons	1053..1364, 1054..1368, 1467..1811, 1475..1729, 1626..1811		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.o1.ts	Method	TBLASTX:Soybean
Start	1056	End	1808
GI	none	Score	243
Exons	1056..1277, 1057..1284, 1300..1368, 1305..1367, 1473..1808		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.o1.tc	Method	TBLASTX:Cress
Start	1060	End	1368
GI	none	Score	337
Exons	1060..1368, 1167..1367		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.o1.tw	Method	TBLASTX:Wheat
Start	1089	End	1673
GI	none	Score	161
Exons	1089..1250, 1089..1370, 1090..1371, 1460..1594, 1467..1673, 1560..1661		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.o2.tc	Method	TBLASTX:Cress
Start	1473	End	1799
GI	none	Score	188
Exons	1473..1799		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o1.gs	Method	GENSCAN
Start	623	End	18678
GI	none	Score	.56
Exons	623..735, 1209..1245, 2300..2363, 3007..3233, 3603..3735,		

4014..4162, 4614..4806, 8221..8397, 8797..8951, 10254..10310, 10531..10554, 11132..11201, 11734..11924, 11979..12204, 12393..12453, 12802..13781, 14158..14205, 15060..15180, 15363..15525, 15622..15803, 16017..16092, 16195..16352, 17349..17520, 17599..17709, 17979..18023, 18589..18678

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o1.np	Method	AAT/NAP
Start	10281	End	13813
GI	7485067	Score	1162
Exons	10281..10310, 11132..11216, 11743..12389, 12441..13214, 13266..13813		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244855|emb|CAB10277.1| (Z97337) hypothetical protein [Arabidopsis thaliana] gi|7268245|emb|CAB78541.1| (AL161540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o2.gp	Method	AAT/GAP
Start	11130	End	11815
GI	31452_1.R1084	Score	226
Exons	11130..11201, 11734..11815		
GI Descrip.	'2244855/emb|CAB10277.1| 5.0e-09 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o3.gp	Method	AAT/GAP
Start	13084	End	13634
GI	22676_1.R1084	Score	1056
Exons	13084..13634		
GI Descrip.	'3152568 2.0e-48 (AC002986) Similar to hypothetical protein product gb_Z97337 from A. thaliana. EST gb_H76597 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o2.np	Method	AAT/NAP
Start	13774	End	18074
GI	7296306	Score	752
Exons	13774..13804, 15382..15525, 15622..15803, 16017..16107, 16195..16352, 17349..17520, 17599..17709, 17979..18074		
GI Descrip.	(AE003591) CG5231 gene product [Drosophila melanogaster]		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o5.gp	Method	AAT/GAP
Start	17492	End	17692
GI	3106632	Score	217
Exons	17492..17520, 17599..17692		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82857	Strand	+
Start	26257	End	31298
Name	OJ000119_22.0331.C21.o3.np	Method	AAT/NAP
Start	26249	End	31295
GI	7435683	Score	2435
Exons	26249..26514, 26944..27093, 27544..27940, 28256..28351, 28430..28502, 28634..28920, 29009..29336, 29422..29692, 30282..30563, 30886..31295		
GI Descrip.	serine proteinase homolog F9F13.80 - Arabidopsis thaliana gi|5262166|emb|CAB45809.1| (AL080253) putative serine proteinase [Arabidopsis thaliana] gi|7268839|emb|CAB79043.1| (AL161553) putative serine proteinase [Arabidopsis thaliana]		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82857	Strand	+
Start	26257	End	31298
Name	OJ000119_22.0331.C21.o3.gs	Method	GENSCAN
Start	26257	End	31298
GI	none	Score	.81
Exons	26257..26591, 26940..27093, 27738..27940, 28256..28351, 28430..28502, 28634..28916, 29005..29336, 29422..29692, 30282..30563, 30886..31298		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82857	Strand	+
Start	26257	End	31298
Name	OJ000119_22.0331.C21.o6.gp	Method	AAT/GAP
Start	28622	End	29113
GI	568481	Score	737
Exons	28622..28916, 29005..29113		
GI Descrip.	4587516/gb|AAD25747.1|AC007060_5 5.0e-46 (AC007060) Strong similarity to gb_U80583 proteinase TMP from Lycopersicon esculentum and is a member of the PF_00082 subtilase family. [Arabidopsis thaliana]		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82858	Strand	+
Start	31307	End	31573
Name	OJ000119_22.0331.C21.o7.gp	Method	AAT/GAP
Start	31307	End	31573
GI	3768021	Score	441
Exons	31307..31573		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82859	Strand	+
Start	32587	End	35996
Name	OJ000119_22.0331.C21.o4.gs	Method	GENSCAN
Start	32587	End	35996
GI	none	Score	.54
Exons	32587..32669, 32703..32901, 33332..33396, 33472..33618, 33661..33768, 33965..34081, 34487..34627, 34761..34943, 35122..35239, 35581..35769, 35834..35996		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82860	Strand	-

Start	2227	End	2498
Name	OJ000119_22.0331.C21.o1.gp	Method	AAT/GAP
Start	2227	End	2498
GI	none	Score	520
Exons	2227..2498		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o7.tm	Method	TBLASTX:Maize
Start	1	End	1275
GI	none	Score	90
Exons	1..141, 2..142, 5..154, 6..155, 158..220, 617..736, 622..750, 1207..1275		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o4.tm	Method	TBLASTX:Maize
Start	12366	End	12616
GI	none	Score	89
Exons	12366..12494, 12368..12616, 12381..12611, 12544..12615		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o1.ts	Method	TBLASTX:Soybean
Start	12521	End	13042
GI	none	Score	335
Exons	12521..12838, 12522..12644, 12539..12829, 12544..12831, 12747..12845, 12833..13042, 12875..13033		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o1.tm	Method	TBLASTX:Maize
Start	12617	End	14062
GI	none	Score	172
Exons	12617..12745, 12626..12742, 12750..13262, 12751..13827, 12752..13828, 13895..13975, 13898..13975, 13983..14045, 13984..14043, 14045..14062		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o1.tc	Method	TBLASTX:Cress
Start	12623	End	13267
GI	none	Score	234
Exons	12623..12838, 12730..12831, 12845..13090, 12871..13089, 13108..13266, 13109..13267		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o3.ts	Method	TBLASTX:Soybean
Start	13208	End	13465
GI	none	Score	316

Exons	13208..13465, 13209..13427, 13216..13446		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o1.tw	Method	TBLASTX:Wheat
Start	13582	End	13798
GI	none	Score	219
Exons	13582..13785, 13583..13798		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o4.gp	Method	AAT/GAP
Start	14073	End	14523
GI	uC-osflcyp066b11a1	Score	894
Exons	14073..14523		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82862	Strand	
Start	15378	End	17721
Name	OJ000119_22.0331.C21.o3.tm	Method	TBLASTX:Maize
Start	15378	End	16109
GI	none	Score	235
Exons	15378..15524, 15379..15525, 15619..15801, 15620..15802, 15676..15804, 15686..15802, 16003..16107, 16003..16107, 16016..16108, 16056..16109		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82862	Strand	
Start	15378	End	17721
Name	OJ000119_22.0331.C21.o2.tc	Method	TBLASTX:Cress
Start	15403	End	17721
GI	none	Score	126
Exons	15403..15525, 15667..15804, 15676..15738, 15998..16084, 16003..16107, 16194..16349, 16198..16377, 17394..17513, 17398..17526, 17593..17721, 17619..17714		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82862	Strand	
Start	15378	End	17721
Name	OJ000119_22.0331.C21.o5.ts	Method	TBLASTX:Soybean
Start	16048	End	17721
GI	none	Score	73
Exons	16048..16098, 16048..16098, 16189..16377, 16194..16349, 17394..17513, 17398..17526, 17593..17721		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o4.ts	Method	TBLASTX:Soybean
Start	27547	End	28711
GI	none	Score	163
Exons	27547..27738, 27588..27746, 27756..27941, 27788..27940, 28254..28379, 28257..28346, 28259..28348, 28431..28508,		

28601..28711

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o3.tc	Method	TBLASTX:Cress
Start	27691	End	30559
GI	none	Score	45
Exons	27691..27738, 27768..27863, 28254..28352, 28718..28912, 29605..29661, 30274..30438, 30290..30445, 30473..30559		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o5.tm	Method	TBLASTX:Maize
Start	27888	End	28702
GI	none	Score	88
Exons	27888..27941, 28254..28349, 28258..28353, 28258..28350, 28259..28351, 28431..28502, 28431..28502, 28432..28503, 28600..28701, 28601..28702		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o6.tm	Method	TBLASTX:Maize
Start	28702	End	29243
GI	none	Score	229
Exons	28702..28839, 28703..28915, 29070..29243		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o2.tm	Method	TBLASTX:Maize
Start	29262	End	30929
GI	none	Score	126
Exons	29262..29339, 29267..29344, 29271..29339, 29416..29694, 29419..29694, 29592..29696, 30254..30376, 30259..30555, 30281..30514, 30283..30516, 30496..30591, 30497..30565, 30888..30929		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o2.ts	Method	TBLASTX:Soybean
Start	29454	End	30926
GI	none	Score	105
Exons	29454..29552, 29457..29669, 29458..29694, 29458..29697, 30265..30525, 30277..30561, 30278..30562, 30882..30926		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82864	Strand	+
Start	1	End	2422
Name	OJ000119_22.0331.C22.o1.np	Method	AAT/NAP
Start	1	End	2419
GI	6572076	Score	2747
Exons	1..2419		
GI Descrip.	(AL133452) receptor-protein kinase-like protein [Arabidopsis		

thaliana]

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82864	Strand	+
Start	1	End	2422
Name	OJ000119_22.0331.C22.o1.gs	Method	GENSCAN
Start	98	End	2422
GI	none	Score	.46
Exons	98..1943, 2084..2422		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o2.ts	Method	TBLASTX:Soybean
Start	2	End	844
GI	none	Score	165
Exons	2..112, 3..158, 153..263, 309..356, 312..350, 399..524, 434..523, 606..842, 638..844		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o4.tc	Method	TBLASTX:Cress
Start	2	End	344
GI	none	Score	182
Exons	2..112, 3..161, 159..344, 179..262		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o4.tm	Method	TBLASTX:Maize
Start	62	End	395
GI	none	Score	70
Exons	62..112, 63..137, 161..262, 162..395, 318..365		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o3.tm	Method	TBLASTX:Maize
Start	425	End	752
GI	none	Score	357
Exons	425..556, 426..752, 432..578, 645..749		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o2.tc	Method	TBLASTX:Cress
Start	561	End	1064
GI	none	Score	367
Exons	561..860, 638..856, 645..860, 896..1042, 900..1064		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o2.tm	Method	TBLASTX:Maize
Start	753	End	1085
GI	none	Score	138

Exons	753..857, 753..842, 755..856, 857..1084, 858..1085		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o1.tm	Method	TBLASTX:Maize
Start	1085	End	2642
GI	none	Score	66
Exons	1085..1144, 1086..1154, 1145..1186, 1187..2056, 1189..1551, 1194..2057, 1771..2070, 1934..2071, 2022..2297, 2024..2431, 2029..2427, 2517..2642, 2520..2549, 2597..2635		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o1.ts	Method	TBLASTX:Soybean
Start	1166	End	2422
GI	none	Score	1396
Exons	1166..2041, 1167..2057, 1939..2070, 2024..2218, 2029..2217, 2133..2240, 2143..2223, 2323..2418, 2333..2422		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o1.tc	Method	TBLASTX:Cress
Start	1338	End	1894
GI	none	Score	832
Exons	1338..1883, 1338..1859, 1340..1894		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o1.tw	Method	TBLASTX:Wheat
Start	1374	End	1798
GI	none	Score	715
Exons	1374..1796, 1374..1796, 1376..1798, 1442..1798		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o2.tw	Method	TBLASTX:Wheat
Start	1821	End	2191
GI	none	Score	156
Exons	1821..2006, 1821..1970, 1826..1990, 2045..2191		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o3.tc	Method	TBLASTX:Cress
Start	1895	End	2422
GI	none	Score	236
Exons	1895..2071, 1896..2057, 1958..2239, 2029..2229, 2326..2418, 2333..2422		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525

Name	OJ000119_22.0331.C22.o2.gs	Method	GENSCAN
Start	2964	End	3525
GI	none	Score	.7
Exons	2964..3091, 3467..3525		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82866	Strand	+
Start	3418	End	3547
Name	OJ000119_22.0331.C23.o2.np	Method	AAT/NAP
Start	3418	End	3547
GI	6721543	Score	82
Exons	3418..3547		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82867	Strand	+
Start	6231	End	6369
Name	OJ000119_22.0331.C23.o5.gp	Method	AAT/GAP
Start	6231	End	6369
GI	7406_1.R1084	Score	184
Exons	6231..6369		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.np	Method	AAT/NAP
Start	1	End	4222
GI	3128206	Score	834
Exons	1..18, 484..746, 1118..1230, 2086..2362, 2393..2668, 4202..4222		
GI Descrip.	(AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.gs	Method	GENSCAN
Start	419	End	2961
GI	none	Score	.76
Exons	419..746, 1118..1230, 2117..2788, 2911..2961		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o3.tm	Method	TBLASTX:Maize
Start	483	End	625
GI	none	Score	164
Exons	483..593, 484..624, 485..622, 485..625		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o3.ts	Method	TBLASTX:Soybean
Start	483	End	613
GI	none	Score	95
Exons	483..593, 485..613		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.gp	Method	AAT/GAP
Start	484	End	704
GI	699654	Score	422
Exons	484..704		
GI Descrip.	3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.tm	Method	TBLASTX:Maize
Start	695	End	2488
GI	none	Score	85
Exons	695..748, 695..754, 696..764, 1114..1227, 1115..1231, 1117..1230, 2114..2329, 2114..2446, 2353..2412, 2414..2488, 2447..2482		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.ts	Method	TBLASTX:Soybean
Start	1114	End	2356
GI	none	Score	64
Exons	1114..1227, 1175..1231, 2114..2185, 2115..2168, 2144..2308, 2165..2356, 2181..2312		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o2.gp	Method	AAT/GAP
Start	2156	End	2336
GI	LIB3431-056-P1-K1-H6	Score	325
Exons	2156..2336		
GI Descrip.	'4490313/emb|CAB38804.1| 2.0e-13 (AL035678) putative protein [Arabidopsis thaliana]'		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o2.ts	Method	TBLASTX:Soybean
Start	2555	End	2698
GI	none	Score	147
Exons	2555..2698, 2556..2666		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o3.gp	Method	AAT/GAP
Start	3781	End	4234
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	3781..4234		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o2.gs	Method	GENSCAN
Start	4059	End	5792
GI	none	Score	.48
Exons	4059..4219, 4517..4976, 5142..5792		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o4.gp	Method	AAT/GAP
Start	4313	End	4735
GI	5701669	Score	764
Exons	4313..4735		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o3.np	Method	AAT/NAP
Start	4339	End	5792
GI	7228442	Score	2467
Exons	4339..5792		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o4.np	Method	AAT/NAP
Start	4339	End	5792
GI	7228442	Score	2470
Exons	4339..5792		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o2.tm	Method	TBLASTX:Maize
Start	4341	End	4778
GI	none	Score	151
Exons	4341..4616, 4378..4599, 4650..4778, 4672..4770		

Seq. No.	40068	Seq. ID	OJ000119_22.0331.C24
Gene No.	82869	Strand	+
Start	217	End	1041
Name	OJ000119_22.0331.C24.o1.np	Method	AAT/NAP
Start	217	End	1041
GI	7339719	Score	64
Exons	217..312, 966..1041		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	40068	Seq. ID	OJ000119_22.0331.C24
Gene No.	82870	Strand	-
Start	605	End	1355
Name	OJ000119_22.0331.C24.o2.np	Method	AAT/NAP
Start	605	End	1355
GI	7106514	Score	72
Exons	605..680, 1223..1355		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	40069	Seq. ID	OJ000119_22.0331.C25
Gene No.	82871	Strand	+
Start	374	End	836
Name	OJ000119_22.0331.C25.o1.gs	Method	GENSCAN
Start	374	End	836
GI	none	Score	.57
Exons	374..466, 717..836		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.gs	Method	GENSCAN
Start	629	End	1421
GI	none	Score	.8
Exons	629..959, 1043..1221, 1227..1421		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.np	Method	AAT/NAP
Start	632	End	1406
GI	2190992	Score	668
Exons	632..958, 1052..1406		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.ts	Method	TBLASTX:Soybean
Start	635	End	1167
GI	none	Score	374
Exons	635..949, 635..937, 1078..1167		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.tw	Method	TBLASTX:Wheat
Start	635	End	958
GI	none	Score	422
Exons	635..958, 635..955, 673..957		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.tm	Method	TBLASTX:Maize
Start	638	End	1396
GI	none	Score	447

Exons	638..952, 638..865, 673..954, 1069..1155, 1153..1302, 1159..1290, 1283..1366, 1284..1361, 1289..1396, 1291..1395		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.tc	Method	TBLASTX:Cress
Start	641	End	952
GI	none	Score	319
Exons	641..865, 647..952, 781..951		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o2.tw	Method	TBLASTX:Wheat
Start	1075	End	1353
GI	none	Score	199
Exons	1075..1299, 1153..1302, 1282..1353, 1299..1349		

Seq. No.	40071	Seq. ID	OJ000119_22.0331.C27
Gene No.	82873	Strand	
Start	710	End	989
Name	OJ000119_22.0331.C27.o1.tm	Method	TBLASTX:Maize
Start	710	End	989
GI	none	Score	96
Exons	710..982, 861..989		

Seq. No.	40071	Seq. ID	OJ000119_22.0331.C27
Gene No.	82873	Strand	
Start	710	End	989
Name	OJ000119_22.0331.C27.o1.tw	Method	TBLASTX:Wheat
Start	791	End	980
GI	none	Score	73
Exons	791..976, 834..980, 861..980		

Seq. No.	40072	Seq. ID	OJ000119_22.0331.C29
Gene No.	82874	Strand	+
Start	1	End	1505
Name	OJ000119_22.0331.C29.o1.np	Method	AAT/NAP
Start	1	End	1505
GI	4680186	Score	136
Exons	1..127, 767..880, 1466..1505		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40072	Seq. ID	OJ000119_22.0331.C29
Gene No.	82875	Strand	-
Start	1488	End	1615
Name	OJ000119_22.0331.C29.o2.gs	Method	GENSCAN
Start	1488	End	1615
GI	none	Score	.53
Exons	1488..1615		

Seq. No.	40073	Seq. ID	OJ000119_22.0331.C33
Gene No.	82876	Strand	+
Start	634	End	1213
Name	OJ000119_22.0331.C33.o1.gs	Method	GENSCAN
Start	634	End	816

GI	none	Score	.42
Exons	634..816		

Seq. No.	40073	Seq. ID	OJ000119_22.0331.C33
Gene No.	82876	Strand	+
Start	634	End	1213
Name	OJ000119_22.0331.C33.o2.np	Method	AAT/NAP
Start	634	End	1213
GI	7106516	Score	150
Exons	634..792, 1194..1213		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	40073	Seq. ID	OJ000119_22.0331.C33
Gene No.	82877	Strand	-
Start	1	End	1213
Name	OJ000119_22.0331.C33.o1.np	Method	AAT/NAP
Start	1	End	1213
GI	7228450	Score	107
Exons	1..167, 301..388, 1151..1213		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	40074	Seq. ID	OJ000119_22.0331.C35
Gene No.	82878	Strand	+
Start	243	End	624
Name	OJ000119_22.0331.C35.o1.gp	Method	AAT/GAP
Start	243	End	624
GI	uC-osflcyp033a04b1	Score	651
Exons	243..624		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40074	Seq. ID	OJ000119_22.0331.C35
Gene No.	82879	Strand	-
Start	173	End	1214
Name	OJ000119_22.0331.C35.o1.gs	Method	GENSCAN
Start	173	End	826
GI	none	Score	.49
Exons	173..285, 473..526, 634..826		

Seq. No.	40074	Seq. ID	OJ000119_22.0331.C35
Gene No.	82879	Strand	-
Start	173	End	1214
Name	OJ000119_22.0331.C35.o1.np	Method	AAT/NAP
Start	176	End	1214
GI	4680186	Score	320
Exons	176..376, 1195..1214		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40074	Seq. ID	OJ000119_22.0331.C35
Gene No.	82879	Strand	-
Start	173	End	1214
Name	OJ000119_22.0331.C35.o2.np	Method	AAT/NAP
Start	473	End	526
GI	5852180	Score	53
Exons	473..526		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82880	Strand	+
Start	1	End	2064
Name	OJ000119_22.0331.C36.o1.np	Method	AAT/NAP
Start	1	End	1660
GI	6983859	Score	554
Exons	1..358, 1635..1660		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82880	Strand	+
Start	1	End	2064
Name	OJ000119_22.0331.C36.o1.gs	Method	GENSCAN
Start	61	End	393
GI	none	Score	.77
Exons	61..393		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82880	Strand	+
Start	1	End	2064
Name	OJ000119_22.0331.C36.o3.np	Method	AAT/NAP
Start	295	End	2064
GI	6069659	Score	107
Exons	295..318, 1781..2064		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82880	Strand	+
Start	1	End	2064
Name	OJ000119_22.0331.C36.o2.np	Method	AAT/NAP
Start	1151	End	2064
GI	6907088	Score	456
Exons	1151..1288, 1465..1702, 2040..2064		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82881	Strand	-
Start	625	End	1219
Name	OJ000119_22.0331.C36.o1.tm	Method	TBLASTX:Maize
Start	1	End	360
GI	none	Score	382
Exons	1..360, 3..170, 185..226, 255..335		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82881	Strand	-
Start	625	End	1219
Name	OJ000119_22.0331.C36.o1.tw	Method	TBLASTX:Wheat
Start	1	End	315
GI	none	Score	322
Exons	1..315, 3..170		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82881	Strand	-
Start	625	End	1219
Name	OJ000119_22.0331.C36.o2.gs	Method	GENSCAN
Start	625	End	1219

GI	none	Score	.83
Exons	625..698, 1165..1219		

Seq. No.	40076	Seq. ID	OJ000119_22.0331.C42
Gene No.	82882	Strand	-
Start	699	End	1203
Name	OJ000119_22.0331.C42.o1.gs	Method	GENSCAN
Start	699	End	1203
GI	none	Score	.92
Exons	699..943, 1038..1203		

Seq. No.	40076	Seq. ID	OJ000119_22.0331.C42
Gene No.	82883	Strand	-
Start	1729	End	1856
Name	OJ000119_22.0331.C42.o1.tm	Method	TBLASTX:Maize
Start	348	End	941
GI	none	Score	191
Exons	348..446, 747..941		

Seq. No.	40076	Seq. ID	OJ000119_22.0331.C42
Gene No.	82883	Strand	-
Start	1729	End	1856
Name	OJ000119_22.0331.C42.o2.np	Method	AAT/NAP
Start	1729	End	1856
GI	7523512	Score	125
Exons	1729..1856		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40077	Seq. ID	OJ000119_22.0331.C43
Gene No.	82884	Strand	+
Start	1	End	5905
Name	OJ000119_22.0331.C43.o1.np	Method	AAT/NAP
Start	1	End	715
GI	5042454	Score	211
Exons	1..21, 247..421, 662..715		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40077	Seq. ID	OJ000119_22.0331.C43
Gene No.	82884	Strand	+
Start	1	End	5905
Name	OJ000119_22.0331.C43.o1.gs	Method	GENSCAN
Start	335	End	5176
GI	none	Score	.8
Exons	335..421, 647..832, 2768..2878, 3803..3907, 4730..5176		

Seq. No.	40077	Seq. ID	OJ000119_22.0331.C43
Gene No.	82884	Strand	+
Start	1	End	5905
Name	OJ000119_22.0331.C43.o2.np	Method	AAT/NAP
Start	4415	End	5905
GI	6983857	Score	1262
Exons	4415..4531, 4595..5156, 5326..5786, 5827..5905		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	40077	Seq. ID	OJ000119_22.0331.C43
Gene No.	82884	Strand	+
Start	1	End	5905

Name	OJ000119_22.0331.C43.o2.gs	Method	GENSCAN
Start	5761	End	5850
GI	none	Score	.68
Exons	5761..5850		

Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.np	Method	AAT/NAP
Start	1	End	929
GI	100484	Score	772
Exons	1..929		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.ts	Method	TBLASTX:Soybean
Start	32	End	274
GI	none	Score	187
Exons	32..274, 34..216		

Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.gs	Method	GENSCAN
Start	41	End	898
GI	none	Score	.92
Exons	41..898		

Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o2.tm	Method	TBLASTX:Maize
Start	335	End	549
GI	none	Score	214
Exons	335..547, 358..549		

Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.tm	Method	TBLASTX:Maize
Start	584	End	892
GI	none	Score	249
Exons	584..892, 629..769, 631..873		

Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.tw	Method	TBLASTX:Wheat
Start	680	End	892
GI	none	Score	170
Exons	680..892		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82886	Strand	+
Start	20	End	304

Name	OJ000119_22.0331.C47.o1.gs	Method	GENSCAN
Start	20	End	304
GI	none	Score	.93
Exons	20..137, 171..304		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82887	Strand	-
Start	1443	End	3442
Name	OJ000119_22.0331.C47.o2.gs	Method	GENSCAN
Start	1443	End	3442
GI	none	Score	.87
Exons	1443..2533, 2588..2671, 3112..3226, 3344..3442		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82888	Strand	-
Start	3356	End	8875
Name	OJ000119_22.0331.C47.o2.np	Method	AAT/NAP
Start	3356	End	5013
GI	7228438	Score	169
Exons	3356..3380, 4631..5013		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82888	Strand	-
Start	3356	End	8875
Name	OJ000119_22.0331.C47.o4.np	Method	AAT/NAP
Start	3788	End	8875
GI	5441880	Score	413
Exons	3788..3825, 6036..6369, 6478..6617, 8796..8875		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82888	Strand	-
Start	3356	End	8875
Name	OJ000119_22.0331.C47.o3.gs	Method	GENSCAN
Start	3814	End	6629
GI	none	Score	.74
Exons	3814..3992, 4404..4545, 4631..4951, 5031..5085, 5661..5949, 6036..6224, 6248..6402, 6478..6629		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82888	Strand	-
Start	3356	End	8875
Name	OJ000119_22.0331.C47.o3.np	Method	AAT/NAP
Start	6032	End	8875
GI	5441880	Score	410
Exons	6032..6369, 6478..6617, 8796..8875		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	40080	Seq. ID	OJ000119_22.0331.C48
Gene No.	82889	Strand	-

Start	1	End	727
Name	OJ000119_22.0331.C48.o1.np	Method	AAT/NAP
Start	1	End	727
GI	5732031	Score	327
Exons	1..611, 692..727		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		

Seq. No.	40080	Seq. ID	OJ000119_22.0331.C48
Gene No.	82889	Strand	-
Start	1	End	727
Name	OJ000119_22.0331.C48.o1.tm	Method	TBLASTX:Maize
Start	341	End	630
GI	none	Score	56
Exons	341..496, 341..475, 342..626, 349..630		

Seq. No.	40081	Seq. ID	OJ000119_22.0331.C50
Gene No.	82890	Strand	+
Start	242	End	1068
Name	OJ000119_22.0331.C50.o1.gs	Method	GENSCAN
Start	242	End	1068
GI	none	Score	.78
Exons	242..319, 419..475, 970..1068		

Seq. No.	40082	Seq. ID	OJ000119_22.0331.C53
Gene No.	82891	Strand	-
Start	138	End	201
Name	OJ000119_22.0331.C53.o1.gs	Method	GENSCAN
Start	138	End	201
GI	none	Score	.46
Exons	138..201		

Seq. No.	40083	Seq. ID	OJ000119_22.0331.C54
Gene No.	82892	Strand	-
Start	1	End	2488
Name	OJ000119_22.0331.C54.o1.np	Method	AAT/NAP
Start	1	End	2488
GI	6723391	Score	509
Exons	1..40, 223..374, 769..984, 1119..1195, 1277..1388, 2103..2488		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	40083	Seq. ID	OJ000119_22.0331.C54
Gene No.	82892	Strand	-
Start	1	End	2488
Name	OJ000119_22.0331.C54.o1.gp	Method	AAT/GAP
Start	187	End	660
GI	LIB3431-056-P1-N1-H6	Score	855
Exons	187..660		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40083	Seq. ID	OJ000119_22.0331.C54
Gene No.	82892	Strand	-
Start	1	End	2488
Name	OJ000119_22.0331.C54.o1.gs	Method	GENSCAN
Start	237	End	2447
GI	none	Score	.95
Exons	237..374, 769..896, 1322..1388, 2103..2447		

Seq. No.	40084	Seq. ID	OJ000119_22.0331.C55
Gene No.	82893	Strand	+
Start	6	End	479
Name	OJ000119_22.0331.C55.o1.gs	Method	GENSCAN
Start	6	End	479
GI	none	Score	.88
Exons	6..143, 405..479		

Seq. No.	40084	Seq. ID	OJ000119_22.0331.C55
Gene No.	82894	Strand	-
Start	1066	End	1682
Name	OJ000119_22.0331.C55.o2.gs	Method	GENSCAN
Start	1066	End	1682
GI	none	Score	.56
Exons	1066..1145, 1619..1682		

Seq. No.	40085	Seq. ID	OJ000119_22.0331.C56
Gene No.	82895	Strand	+
Start	1	End	472
Name	OJ000119_22.0331.C56.o1.np	Method	AAT/NAP
Start	1	End	472
GI	3128206	Score	105
Exons	1..116, 371..472		
GI Descrip.	(AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	40085	Seq. ID	OJ000119_22.0331.C56
Gene No.	82896	Strand	-
Start	12	End	782
Name	OJ000119_22.0331.C56.o1.gs	Method	GENSCAN
Start	12	End	782
GI	none	Score	.51
Exons	12..102, 682..782		

Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82897	Strand	-
Start	1	End	125
Name	OJ000119_22.0331.C57.o1.gp	Method	AAT/GAP
Start	1	End	125
GI	LIB3431-056-P1-N1-H6	Score	213
Exons	1..125		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82898	Strand	-
Start	234	End	5939
Name	OJ000119_22.0331.C57.o1.np	Method	AAT/NAP
Start	234	End	5083
GI	6723390	Score	520
Exons	234..449, 589..665, 1089..1179, 3257..3852, 3950..4130, 5033..5083		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82898	Strand	-
Start	234	End	5939

Name	OJ000119_22.0331.C57.o2.gs	Method	GENSCAN
Start	3230	End	5939
GI	none	Score	.63
Exons	3230..3859, 3963..4286, 5772..5939		

Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82899	Strand	-
Start	6392	End	6523
Name	OJ000119_22.0331.C57.o1.tc	Method	TBLASTX:Cress
Start	3593	End	3850
GI	none	Score	71
Exons	3593..3778, 3600..3710, 3776..3850		

Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82899	Strand	-
Start	6392	End	6523
Name	OJ000119_22.0331.C57.o2.np	Method	AAT/NAP
Start	6392	End	6523
GI	6815099	Score	87
Exons	6392..6523		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40087	Seq. ID	OJ000119_22.0331.C58
Gene No.	82900	Strand	+
Start	370	End	4174
Name	OJ000119_22.0331.C58.o1.np	Method	AAT/NAP
Start	370	End	4174
GI	6721547	Score	100
Exons	370..455, 4120..4174		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	40087	Seq. ID	OJ000119_22.0331.C58
Gene No.	82901	Strand	-
Start	7458	End	8092
Name	OJ000119_22.0331.C58.o2.np	Method	AAT/NAP
Start	7443	End	8092
GI	1717826	Score	463
Exons	7443..8092		
GI Descrip.	TYROSINE/DOPA DECARBOXYLASE 2 [INCLUDES: DOPA DECARBOXYLASE (DDC); TYROSINE DECARBOXYLASE] gi|1076245|pir||B55066 tyrosine decarboxylase (EC 4.1.1.25) 2 - opium poppy gi|607747 (U08598) tyrosine/dopa decarboxylase [Papaver somniferum]		

Seq. No.	40087	Seq. ID	OJ000119_22.0331.C58
Gene No.	82901	Strand	-
Start	7458	End	8092
Name	OJ000119_22.0331.C58.o2.gs	Method	GENSCAN
Start	7458	End	8041
GI	none	Score	.94
Exons	7458..8041		

Seq. No.	40087	Seq. ID	OJ000119_22.0331.C58
Gene No.	82901	Strand	-
Start	7458	End	8092
Name	OJ000119_22.0331.C58.o1.tc	Method	TBLASTX:Cress
Start	7470	End	7919
GI	none	Score	79

Exons	7470..7598, 7710..7919, 7711..7887		

Seq. No.	40088	Seq. ID	OJ000119_22.0331.C59
Gene No.	82902	Strand	+
Start	2332	End	3999
Name	OJ000119_22.0331.C59.o2.np	Method	AAT/NAP
Start	2332	End	3999
GI	6539570	Score	55
Exons	2332..2372, 2586..2746, 2888..2937, 3972..3999		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40088	Seq. ID	OJ000119_22.0331.C59
Gene No.	82903	Strand	-
Start	1	End	3551
Name	OJ000119_22.0331.C59.o1.np	Method	AAT/NAP
Start	1	End	641
GI	1174828	Score	586
Exons	1..641		
GI Descrip.	TYROSINE DECARBOXYLASE 2 gi|322738|pir||A44405 tyrosine decarboxylase (EC 4.1.1.25) - parsley gi|169671|gb|AAA33860.1| (M96070) tyrosine decarboxylase [Petroselinum crispum]		

Seq. No.	40088	Seq. ID	OJ000119_22.0331.C59
Gene No.	82903	Strand	-
Start	1	End	3551
Name	OJ000119_22.0331.C59.o1.gs	Method	GENSCAN
Start	28	End	3551
GI	none	Score	.5
Exons	28..698, 2564..2711, 3517..3551		

Seq. No.	40088	Seq. ID	OJ000119_22.0331.C59
Gene No.	82903	Strand	-
Start	1	End	3551
Name	OJ000119_22.0331.C59.o1.ts	Method	TBLASTX:Soybean
Start	315	End	572
GI	none	Score	71
Exons	315..431, 316..381, 432..572, 478..546		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o1.gs	Method	GENSCAN
Start	1380	End	10521
GI	none	Score	.42
Exons	1380..1607, 4156..5369, 5810..5989, 7473..7611, 8219..8341, 8477..8545, 10027..10080, 10246..10521		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o1.tm	Method	TBLASTX:Maize
Start	4102	End	5259
GI	none	Score	273
Exons	4102..4203, 4244..4606, 4252..4614, 4714..4851, 4715..4873, 5095..5259, 5096..5203, 5107..5229		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60